MT. PENN STOVE WORKS

No. 11

READING, PA.

1903

RD . Fancy Catalog
112 pp.

$25 —

PENN

STOVES, RANGES AND FURNACES

MT. PENN STOVE WORKS

READING, PA.

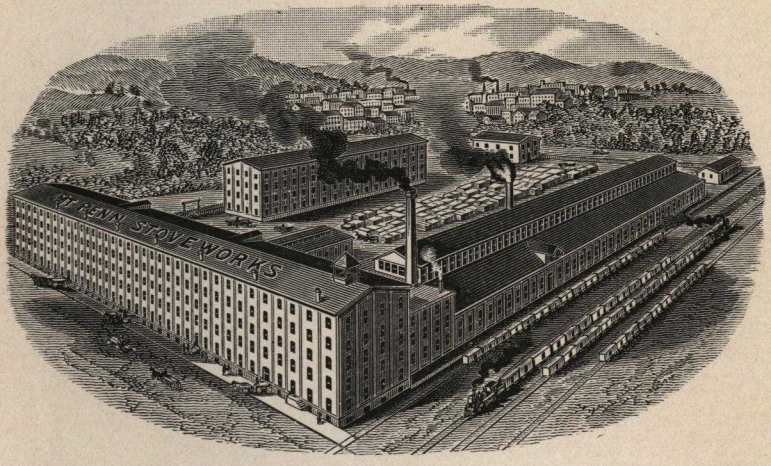
1903

PHILADELPHIA STORE

Nos. 111 and 113 North Second Street

Catalogue No. 11

MT. PENN STOVE WORKS,
READING, PA.



MT. PENN STOVE WORKS,
READING, PA.

TDCAT 1903
PAPV03B66S

Special Notices

All goods not marked NET are subject to a Trade Discount from prices given in price list sent on application.

Liberal discounts will be allowed for prompt settlements.

All bills are due upon receipt of goods.

Claims for abatements from any cause must be made immediately upon receipt of goods.

If there is a choice of shipping routes, please state particularly the route desired.

If not specially ordered to the contrary, shipments will be made by us at Released Rates.

After goods are delivered by us to transportation companies and their receipts taken therefor, our responsibility thereon ceases.

Prices and discounts are subject to change without notice.

Important Suggestions

In order to prevent mistakes, we would respectfully request particular care in sending your orders to examine the Full Numbers of the various sizes of cooks and ranges as they appear in Catalogue.

Parties sometimes order a "No. 8" Albion Cook when they want a "No. 8-23." If there is any letter in connection with the number, be sure to mention it as 7-A Penn Esther or 80-18-M Penn Esther. Do not consider a stove as a No. 7 or a No. 8, as in the Penn Esther, for instance, the No. 7-A is a much larger range than the No. 8-18-M.

Also in ordering Repairs, please state particularly the Full Number and Letter, if any. Attention to this suggestion will save many annoying delays and much useless expense.

Long Distance Telephone and Telegraph
Connections with Office and Works.

MT. PENN STOVE WORKS,
READING, PA.

Extra Nickel-plating

All our stoves and ranges are advertised with the usual amount of nickel work required for a stove or range of its class, and in a great many cases we advertise the cost of extra nickel-plating, such as the skirting and feet, top table of range, end hearth, etc. We would state, however, that we are in a position to nickel-plate any casting, or the entire range or heating stove if wanted. Prices on this kind of work are determined by the cost of labor and material.

We have in a number of cases been called upon to furnish ranges with the top, covers and centres highly polished, but not plated. We do not keep ranges in stock trimmed in this way and therefore it will require a few days time to make them up. We cannot be as prompt in the shipment of an order containing special polishing or extra nickel-plating as in a regular shipment from stock.

We are also in a position to galvanize, by a new and improved method, any castings for our goods such as furnace trimmings, reservoir covers and special work exposed to dampness when the stove is not in use.

The Penn Esther

For the benefit of our customers we would state that we make the Penn Esther range in 168 different styles and sizes. For convenience in ordering we would mention that these various styles and sizes are divided into two principal classes, the Penn Esther A–B–C and D being of the high oven class range while the Penn Esther M–N–O–P are of the medium class. In either or both of these classes of Penn Esther ranges we aim to furnish a range of the highest possible order, the ranges being of the latest sheet-flue construction and the quality of material and workmanship of one class only, namely first-class.

In sub-dividing the classes we give the range in right hand oven, left hand oven, duplex or automatic grate, with reservoir and without, with water-front and without, loose end hearth or solid end hearth. This range can also be furnished with the wood-burning grate and with thermometer in oven door if desired. All Penn Esther ranges are furnished with hot-air attachment without additional cost. The Penn Esther is a heavy, durable and handsome range, very striking and artistic, and highly nickel-plated. Includes nickel-plated top band, outside oven shelf, foot opener, name plate, number plate, shaker, lifter, knobs and hinge pins. Improved Read Check Damper, insuring quick direct draft, cut top, ventilated oven, tin-lined oven door and capacious ash-pan.

In addition to the above, the Penn Esther can be trimmed with a large variety of pipe shelves, tea shelves and warming closet.

Under one name. Easy for the dealer to advertise. Profitable to handle.

Penn Esther A

For illustrations, see pages 7, 8, 9, 10 and 11

Right Hand Oven Loose End Hearth

Two styles of Grate

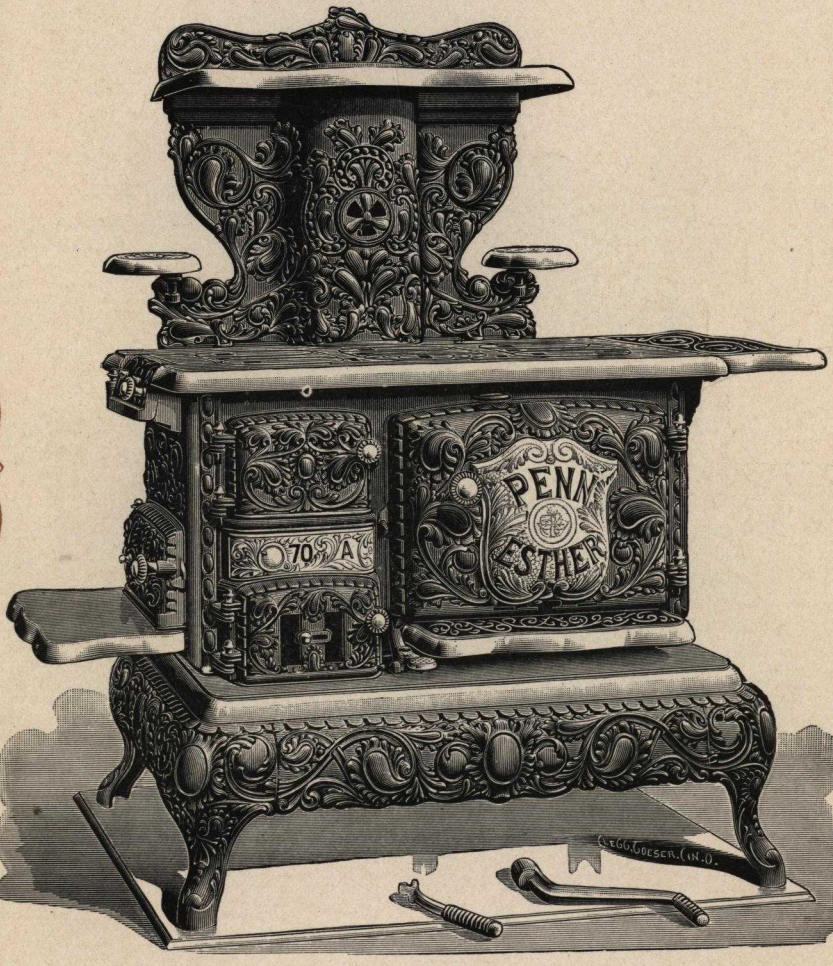
Duplex Grate No.	Automatic Grate No.	Size of Oven Inches	Size of Top with Top Table Inches	Size of Top without Top Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70A	7A	19×18×12½	28½×44	28½×36	21⅛	Six 7
88A	8-19A	19×18×12½	28½×44	28½×36	21⅛	" 8
80A	8A	21×20×13½	30 ×47	30 ×39	21⅛	" 8
99A	9-21A	21×20×13½	30 ×47	30 ×39	21⅛	" 9

Shipped regularly with nickel-plated top band, name plate, number plate, oven shelf, foot opener, handsome nickel knobs, malleable shaker and lifter, and towel rod. Extra nickel-plating if desired. Ash-pan and oven door lining.

Can be furnished with any style of pipe shelf, tea shelf or warming closet; water-front, thermometer in oven door; and without base, with wood-burning grate if desired Reservoir for all sizes.

Complete description, see page 5

Penn Esther A



Penn Esther A, with F Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther A

Penn Esther A, with A Tea Shelf

Penn Esther A

Penn Esther A, Right Hand Oven

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther A

Penn Esther A, with Reservoir and F Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther A

Penn Esther A, with Reservoir and Warming Closet

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther B

For illustration, see page 13

Left Hand Oven Loose End Hearth

Two styles of Grate

Duplex Grate No.	Automatic Grate No.	Size of Oven Inches	Size of Top with Top Table Inches	Size of Top without Top Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70B	7B	19×18×12½	28½×44	28½×36	21⅛	Six 7
88B	8-19B	19×18×12½	28½×44	28½×36	21⅛	" 8
80B	8B	21×20×13½	30 ×47	30 ×39	21⅛	" 8
99B	9-21B	21×20×13½	30 ×47	30 ×39	21⅛	" 9

Shipped regularly with nickel-plated top band, name plate, number plate, oven shelf, foot opener, handsome nickel knobs, malleable shaker and lifter, and with towel rod, ash-pan and oven door lining.

Extra nickel-plating if desired.

Can be furnished with any style of pipe shelf, tea shelf and warming closet; water-front, thermometer in oven door and without base.

With wood-burning grate and reservoir if desired, all sizes.

Complete description, see page 4

Penn Esther B

Penn Esther B, with F Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther C

For illustrations, see pages 15, 16 and 17

Right Hand Oven Solid End Hearth

Two Styles of Grate

Duplex Grate No.	Automatic Grate No.	Size of Oven Inches	Size of Top with Table Inches	Size of Top without Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70C	7C	19×18×12½	28½×44	28½×36	21⅛	Six 7
88C	8-19C	19×18×12½	28½×44	28½×36	21⅛	" 8
80C	8C	21×20×13½	30 ×47	30 ×39	21⅛	" 8
99C	9-21C	21×20×13½	30 ×47	30 ×39	21⅛	" 9

Shipped regularly with nickel-plated top band, name plate, number plate, oven shelf, foot opener, handsome nickel knobs, malleable shaker and lifter; and with towel rod, ash-pan and oven door lining.

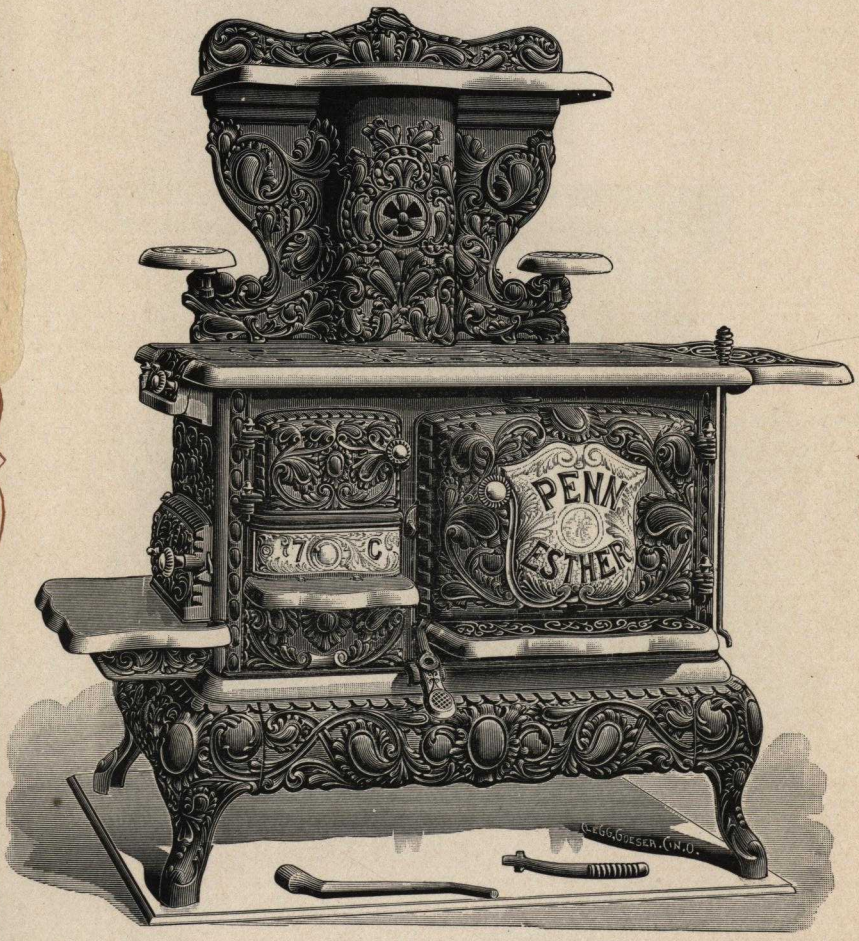
Extra nickel-plating, if desired.

Can be furnished with any style of pipe shelf, tea shelf, and warming closet; water-front, thermometer in oven door, and without base.

With wood-burning grate, and reservoir, if desired. All sizes.

For complete description, see page 5

Penn Esther C



Penn Esther C, with F Pipe Shelf

Penn Esther C

Showing Solid End Hearth

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther C

Showing Reservoir and Warming Closet

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther D

For illustration, see page 19

Left Hand Oven Solid End Hearth

Two Styles of Grate

Duplex Grate No.	Automatic Grate No.	Size of Oven Inches	Size of Top with Table Inches	Size of Top without Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70D	7D	19×18×12½	28½×44	28½×36	21⅛	Six 7
88D	8-19D	19×18×12½	28½×44	28½×36	21⅛	" 8
80D	8D	21×20×13½	30 ×47	30 ×39	21⅛	" 8
99D	9-21D	21×20×13½	30 ×47	30 ×39	21⅛	" 9

Shipped regularly with nickel-plated top band, name plate, number plate, oven shelf, foot opener, handsome nickel knobs, malleable shaker and lifter, and with towel rod, ash-pan and oven door lining.

Extra nickel-plating if desired.

Can be furnished with any style of pipe shelf, tea shelf and warming closet; water front, thermometer in oven door and without base.

With wood-burning grate and reservoir if desired, all sizes.

Complete description, see page 4

Penn Esther D

Left Hand Oven Solid End Hearth

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther M

For illustrations, see pages 21, 22 and 23

Right Hand Oven Loose End Hearth

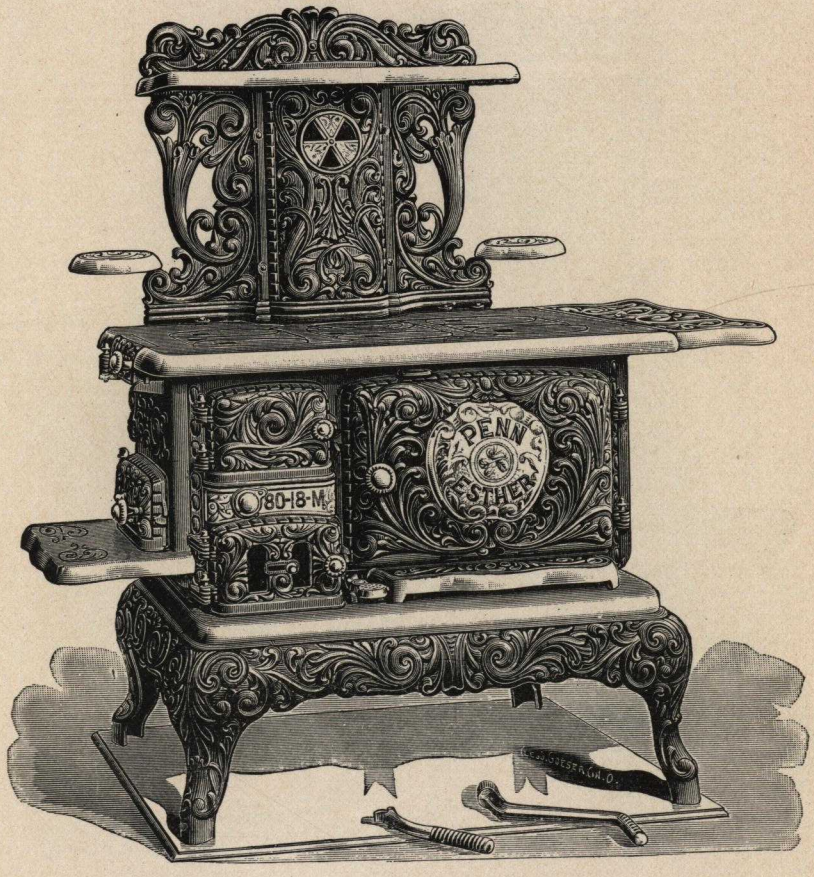
Duplex Grate No.	Automatic Grate No.	Size of Oven Inches	Size of Top with Table Inches	Size of Top without Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70-14M	7-14M	14×14×10	24½×37½	24½×30½	18¾	Six 7
70-16M	7-16M	16×16×10¾	25 ×39	25 ×32	18¾	" 7
80-16M	8-16M	16×16×10¾	27 ×41	27 ×33	18¾	" 8
70-18M	7-18M	18×18×11½	27 ×42	27 ×35	21⅛	" 7
80-18M	8-18M	18×18×11½	27 ×42	27 ×35	21⅛	" 8
70-20M	7-20M	20×20×12	29 ×45½	29 ×37½	21⅛	" 7
80-20M	8-20M	20×20×12	29 ×45½	29 ×37½	21⅛	" 8
90-20M	9-20M	20×20×12	29 ×45½	29 ×37½	21⅛	" 9

Shipped regularly with nickel-plated top band, name plate, number plate, oven shelf, foot opener; handsome nickel knobs, malleable shaker and lifter. Tin oven door lining and ash-pan. Can be furnished with reservoir down to and including 16 inch oven sizes.

Can be furnished with any style of pipe shelf, tea shelf or warming closet. Water-front down to and including 16 inch oven. Wood-burning grate and cast iron fire-box linings for 18 and 20 inch ovens only. Thermometer in oven door if desired.

Complete description, see page 4

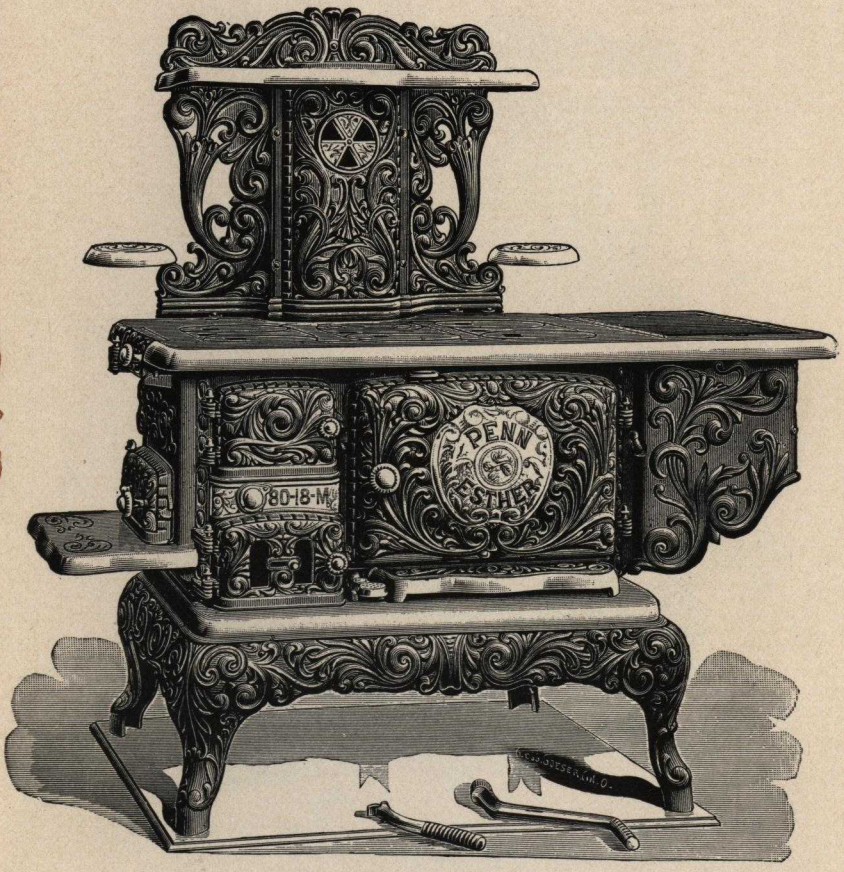
Penn Esther M



With H Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther M



Penn Esther M, with Reservoir and H Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther M

Penn Esther M, Right Hand Oven

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther N

For illustration, see page 25

Left Hand Oven Loose End Hearth

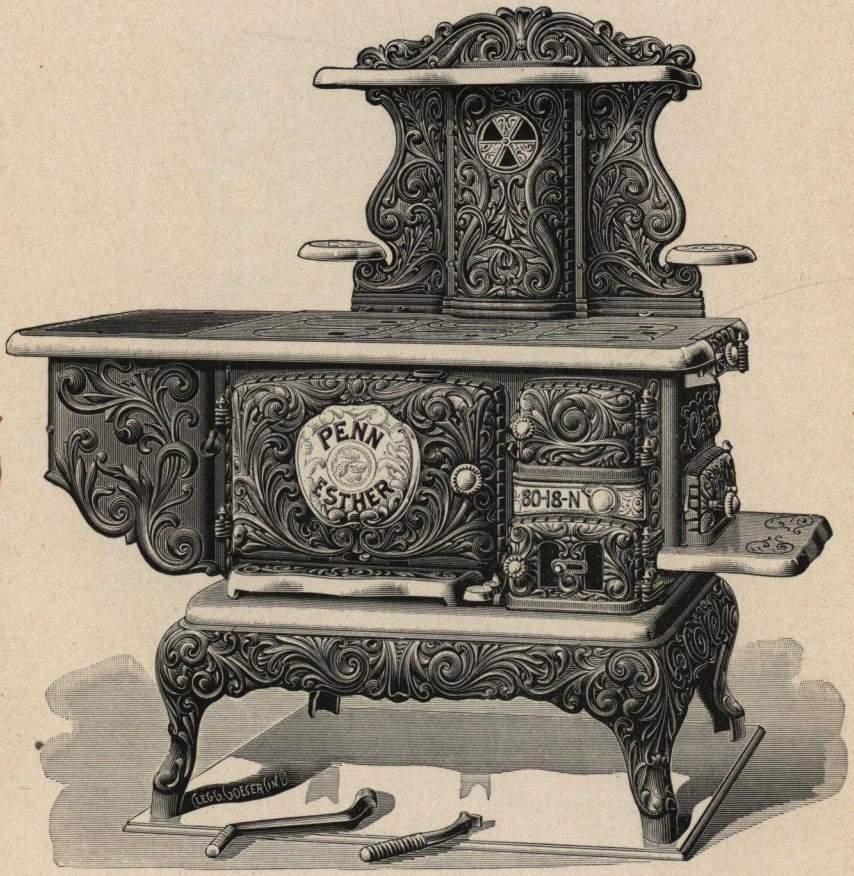
Duplex Grate No.	Automatic Grate No.	Size of Oven Inches	Size of Top with Table Inches	Size of Top without Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70-16N	7-16N	16×16×10¾	25×39	25×32	18¾	Six 7
70-18N	7-18N	18×18×11½	27×42	27×35	21⅛	" 7
80-18N	8-18N	18×18×11½	27×42	27×35	21⅛	" 8
70 20N	7-20N	20×20×12	29×45½	29×37½	21⅛	" 7
80-20N	8-20N	20×20×12	29×45½	29×37½	21⅛	" 8
90-20N	9-20N	20×20×12	29×45½	29×37½	21⅛	" 9

Shipped regularly with nickel-plated top band, name plate, number plate, oven shelf, foot opener. Handsome nickel knobs, malleable shaker and lifter. Tin oven door lining and ash-pan. Can be furnished with reservoir all sizes. Water-front all sizes. Wood-burning grate and cast iron fire-box linings for 18 and 20 inch ovens only.

Can be furnished with any style of pipe shelf, tea shelf or warming closet. Thermometer in oven door if desired.

Complete description, see page 4

Penn Esther N



With Reservoir and G Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther O

For illustrations, see pages 27, 28 and 29

Right Hand Oven Solid End Hearth

Duplex Grate No.	Automatic Grate No.	Size of Oven Inches	Size of Top with Table Inches	Size of Top without Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70-14O	7-14O	14×14×10	24½×37½	24½×30½	18¾	Six 7
70-16O	7-16O	16×16×10¾	25 ×39	25 ×32	18¾	" 7
80-16O	8-16O	16×16×10¾	27 ×41	27 ×33	18¾	" 8
70-18O	7-18O	18×18×11½	27 ×42	27 ×35	21⅛	" 7
80-18O	8-18O	18×18×11½	27 ×42	27 ×35	21⅛	" 8
70-20O	7-20O	20×20×12	29 ×45½	29 ×37½	21⅛	" 7
80-20O	8-20O	20×20×12	29 ×45½	29 ×37½	21⅛	" 8
90-20O	9-20O	20×20×12	29 ×45½	29 ×37½	21⅛	" 9

Shipped regularly with nickel-plated top band, name plate, number plate, oven shelf, foot opener; handsome nickel knobs, malleable shaker and lifter. Tin oven door lining and ash-pan. Can be furnished with water-front and reservoir down to and including 16 inch oven sizes.

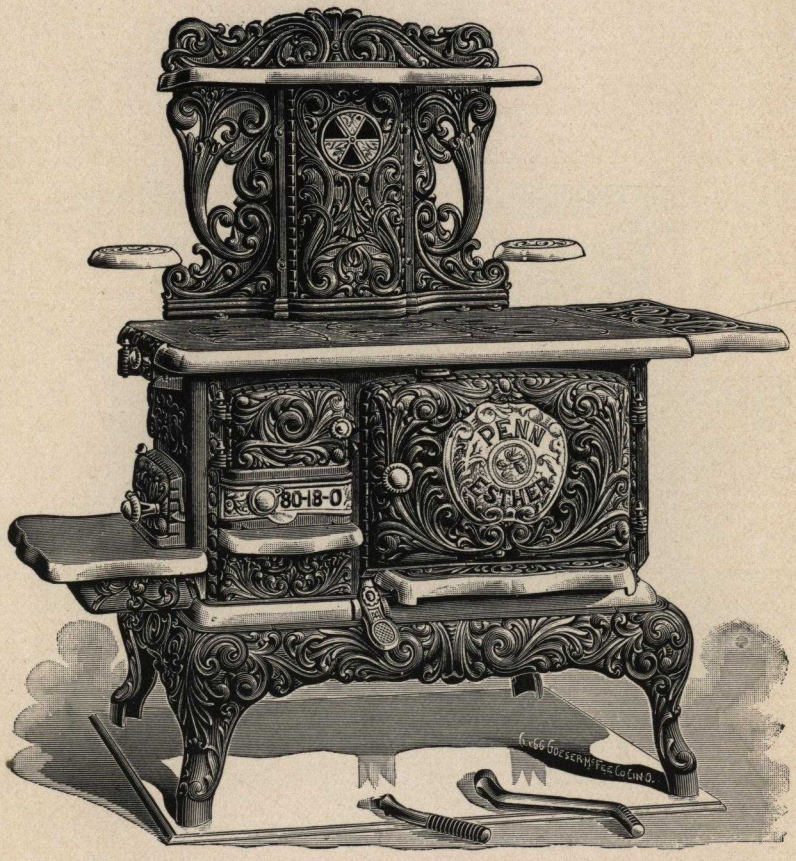
Wood-burning grate or cast iron fire-box linings 18 and 20 inch ovens only.

Can be furnished with any style of pipe shelf, tea shelf or warming closet and with thermometer.

Extra nickel-plating if desired.

Complete description, see page 4

Penn Esther O



Penn Esther O, with H Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther O

With Right Hand Oven

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther O

With Reservoir and H Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Esther P

For illustration, see page 31

Left Hand Oven Solid End Hearth

Duplex Grate No.	Automatic Grate No.	Size of Oven Inches	Size of Top with Table Inches	Size of Top without Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70-18P	7-18P	18×18×11½	27×42	27×35	21⅛	Six 7
80-18P	8-18P	18×18×11½	27×42	27×35	21⅛	" 8
70-20P	7-20P	20×20×12	29×45½	29×37½	21⅛	" 7
80-20P	8-20P	20×20×12	29×45½	29×37½	21⅛	" 8
90-20P	9-20P	20×20×12	29×45½	29×37½	21⅛	" 9

Shipped regularly with nickel-plated top band, name plate, number plate, oven shelf, foot opener. Handsome nickel knobs, malleable shaker and lifter. Tin oven door lining and ash-pan.

Water-front, reservoir, cast iron fire-box linings and wood-burning grate, all sizes.

Can be furnished with any style of pipe shelf, tea shelf or warming closet, and with thermometer in oven door.

Extra nickel-plating if desired.

Complete description, see page 4

Penn Esther P

Solid End Hearth Left Hand Oven

Penn Esther P, with Left Hand Oven

MT. PENN STOVE WORKS,
READING, PA.

Penn Glory

For illustrations, see pages 33, 34 and 35

Right Hand Oven Loose End Hearth

Duplex Grate No.	Size of Oven Inches	Size of Top with Table Inches	Size of Top without Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70-14	14×14×10	21½×38	21½×30½	18¾	Five 7 One 5
80-14	14×14×10	21½×38	21½×30½	18¾	Five 8 One 5
70-16	16×16×10½	23½×40½	23½×33	18¾	Five 7 One 6
80-16	16×16×10½	23½×40½	23½×33	18¾	Five 8 One 6
70-18	18×18×11	25½×43½	25½×35½	18¾	Six 7
80-18	18×18×11	25½×43½	25½×35½	18¾	Six 8
90-18	18×18×11	25½×43½	25½×35½	18¾	Five 9 One 8
80-20	20×20×11½	27 ×45	27 ×37½	21⅛	Six 8
90-20	20×20×11½	27 ×45	27 ×37½	21⅛	Five 9 One 8

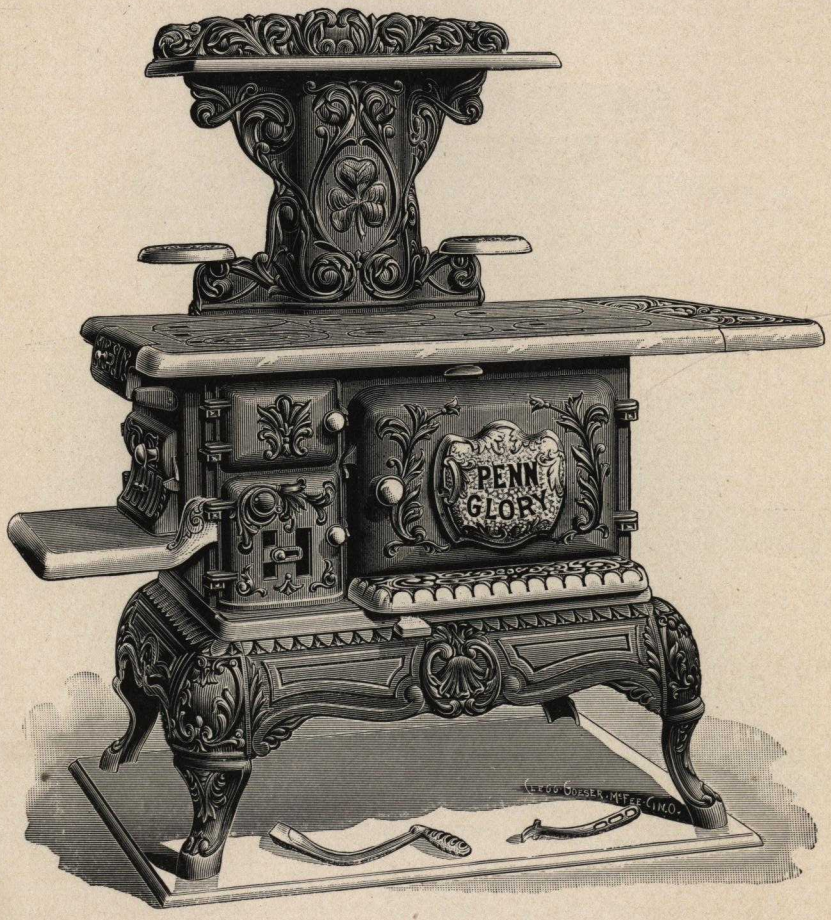
Shipped regularly with nickel-plated top band, table band and end hearth band. Nickel-plated oven shelf and name plate. Handsome nickel knobs, malleable shaker and lifter.

This range is made with all the modern improvements, sheet flue construction, sectional cover, pull-out grate.

Can be shipped with ash-pan if desired. Reservoir for 18 and 20 inch ovens, water-front down to and including 16 inch ovens.

MT. PENN STOVE WORKS,
READING, PA.

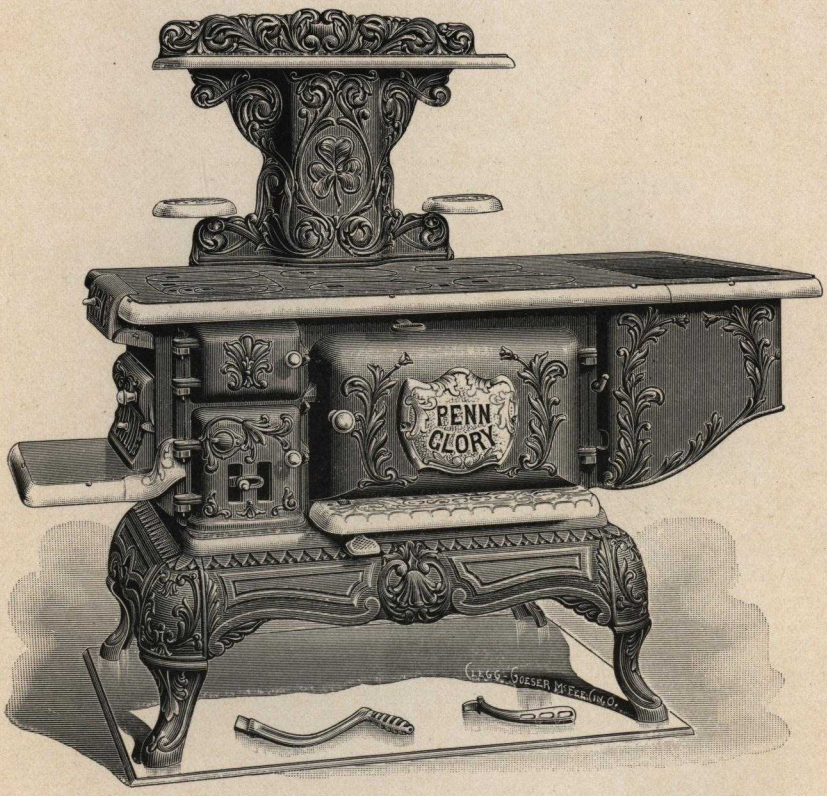
Penn Glory



Penn Glory Range with L Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

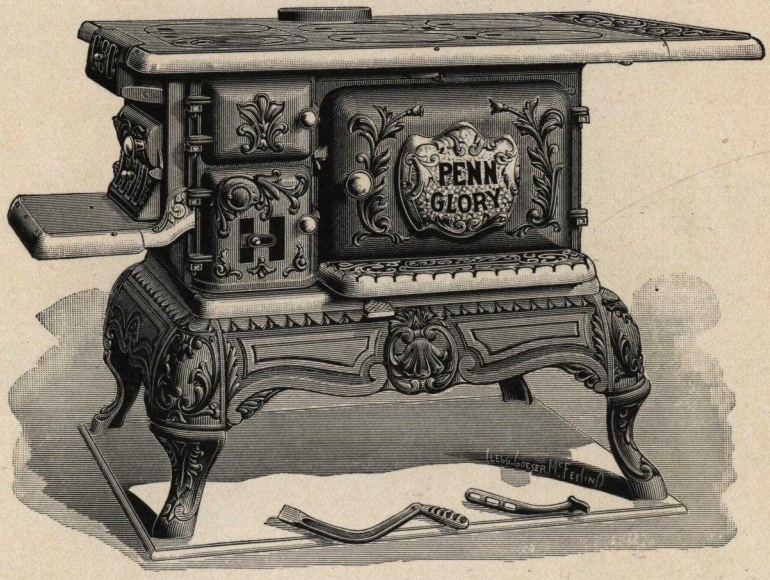
Penn Glory



Penn Glory with Reservoir and L Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

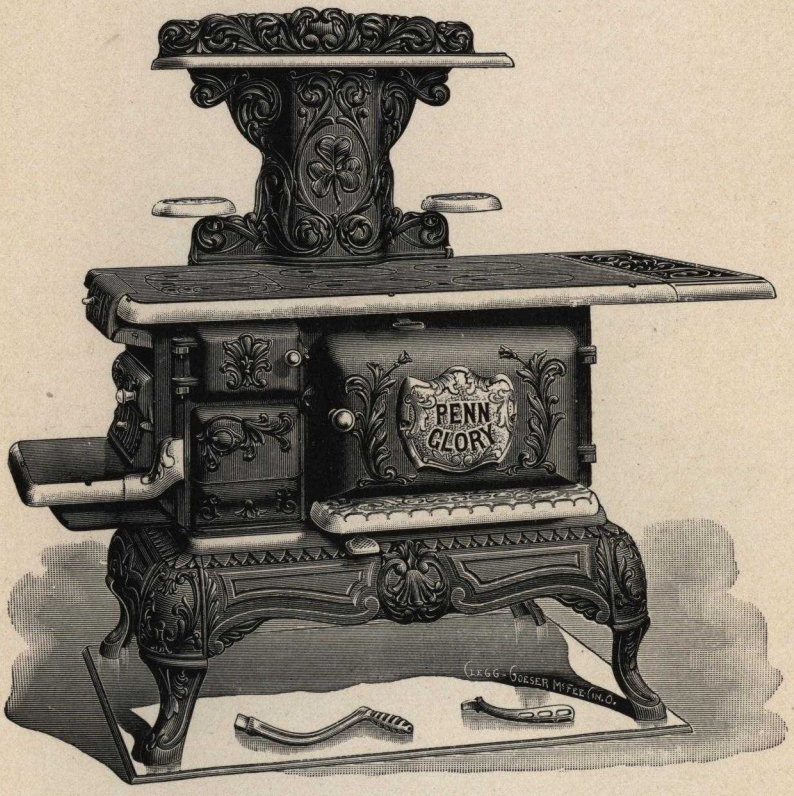
Penn Glory



Penn Glory, with Right Hand Oven

Penn Glory E

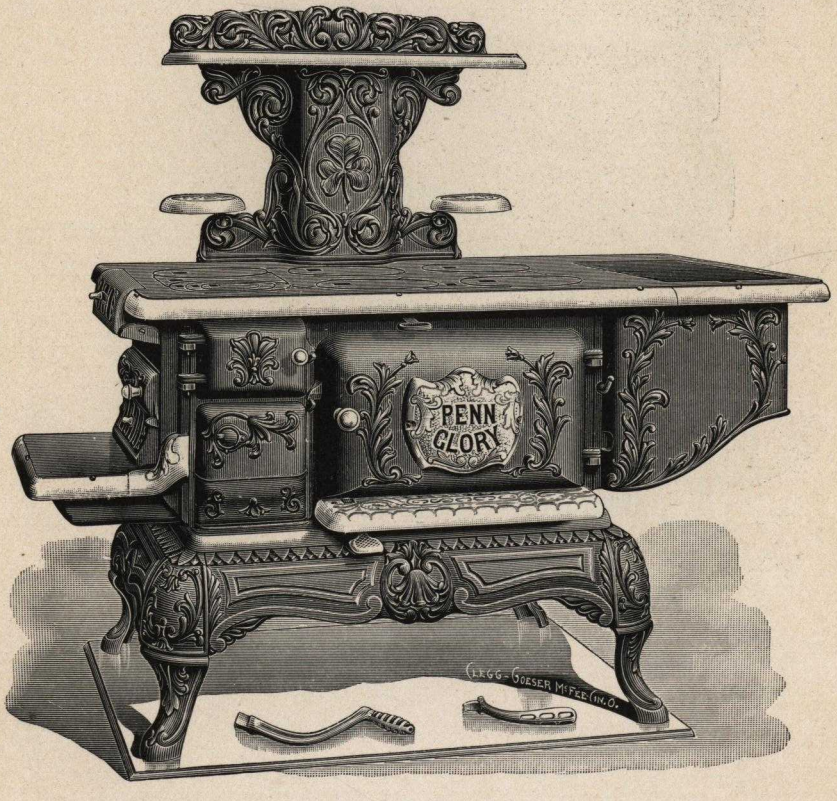
Right Hand Oven Solid End Hearth



Duplex Grate No.	Size of Oven Inches	Size of Top with Table Inches	Size of Top without Table Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
70-16E	16×16×10½	23½×40½	23½×33	18¾	Five 7 One 6
80-16E	16×16×10½	23½×40½	23½×33	18¾	Five 8 One 6
70-18E	18×18×11	25½×43½	25½×35½	18¾	Six 7
80-18E	18×18×11	25½×43½	25½×35½	18¾	Six 8
90-18E	18×18×11	25½×43½	25½×35½	18¾	Five 9 One 8
80-20E	20×20×11½	27 ×45	27 ×37½	21⅛	Six 8
90-20E	20×20×11½	27 ×45	27 ×37½	21⅛	Five 9 One 8

Shipped the same as Penn Glory shown on preceding page.

Penn Glory E

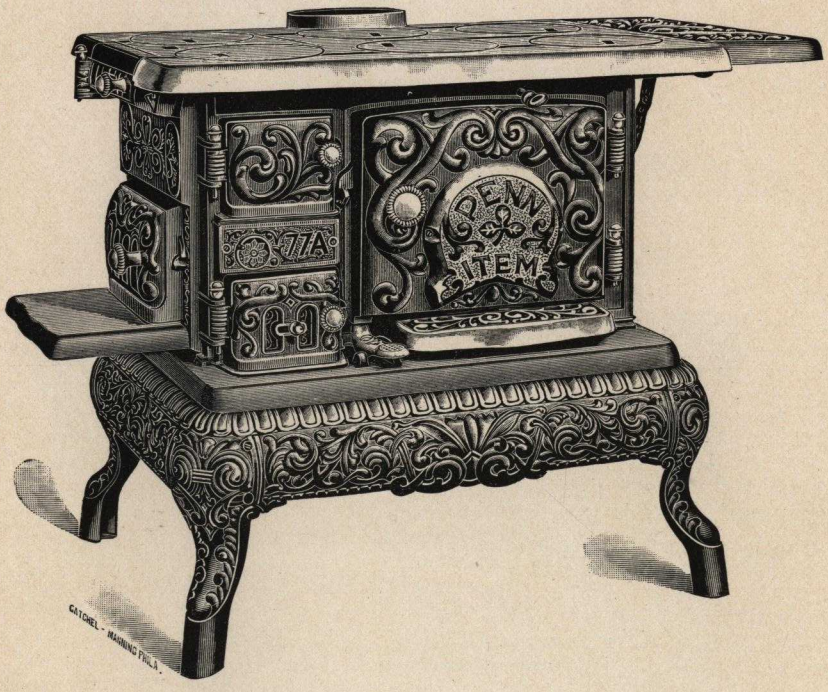


Penn Glory E, with Reservoir and L Pipe Shelf

MT. PENN STOVE WORKS,
READING, PA.

Penn Item

Right Hand Oven. Loose End Hearth. Water-front.
Six Boiling Holes. Two styles Grate

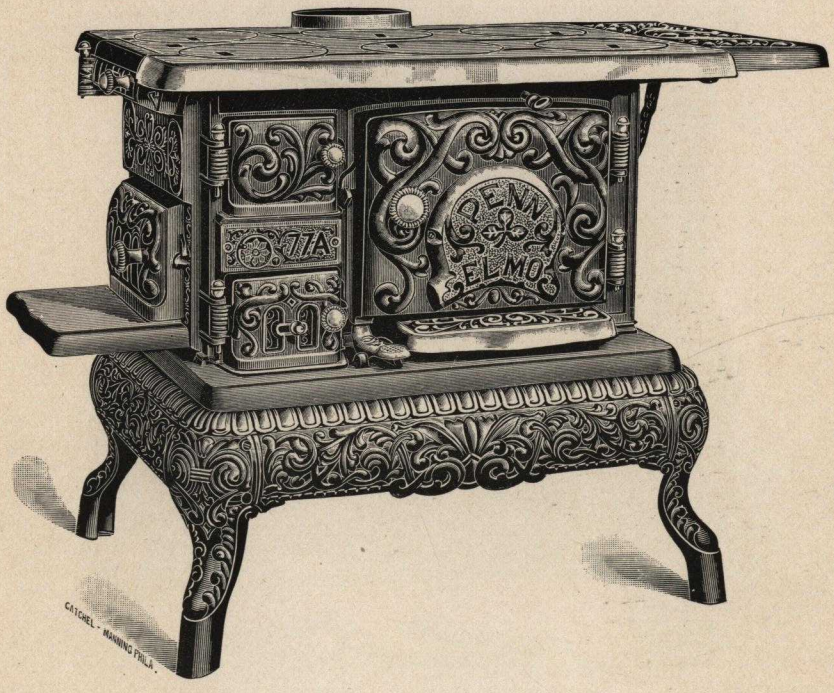


Duplex Grate No.	Plain Flat Grate No.	Size of Oven Inches	Pot Holes Inches
77A	77B	13½ × 14 × 10	Six 7
7A	7B	15 × 15½ × 10½	" 7
88A	88B	15 × 15½ × 10½	" 8
78A	78B	17 × 17½ × 11	" 7
8A	8B	17 × 17½ × 11	" 8

MT. PENN STOVE WORKS,
READING, PA.

Penn Elmo

Right Hand Oven. Loose End Hearth. Water-front. Two styles Grate. Fitted with K Pipe Shelf only



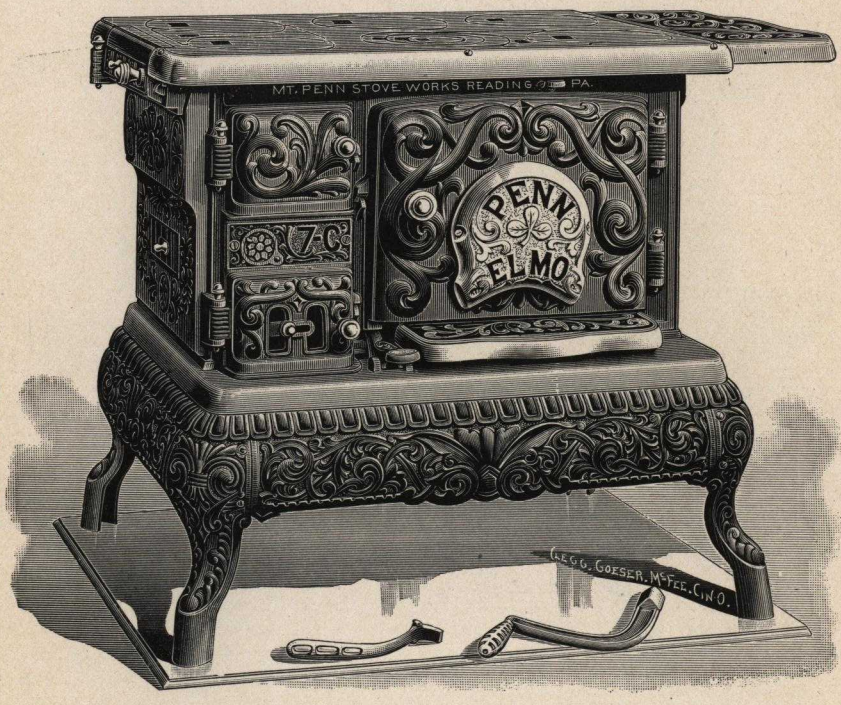
Made either as a five-hole range with pipe collar on the top, or as a six-hole range with pipe collar on the back.

Duplex Grate No.	Plain Flat Grate No.	Size of Oven Inches	Pot Holes Inches
77A	77B	13½ × 14 × 10	Five 7
7A	7B	15 × 15½ × 10½	" 7
88A	88B	15 × 15½ × 10½	" 8
78A	78B	17 × 17½ × 11	" 7
8A	8B	17 × 17½ × 11	" 8

MT. PENN STOVE WORKS,
READING, PA.

Penn Elmo

Right Hand Oven. With Closed End. Two styles of Grate.
With Water-front. Fitted with K Pipe Shelf only.



Made either as a five-hole range with pipe collar on the top, or as a six-hole range with pipe collar on the back.

Duplex Grate No.	Plain Flat Grate No.	Size of Oven Inches	Pot Holes Inches
77-C	77-D	13½ × 14 × 10	Five 7
7-C	7-D	15 × 15½ × 10½	" 7
88-C	88-D	15 × 15½ × 10½	" 8
78-C	78-D	17 × 17½ × 11	" 7
8-C	8-D	17 × 17½ × 11	" 8

Marigold

Right Hand Oven. Five-hole Range. Loose End Hearth.
Dumping-and-shaking Grate.

No.	Size of Oven Inches	Size of Top Inches	Pot Holes Inches
6	13½ × 14 × 9	19½ × 28	Five 6
77	13½ × 14 × 9	21 × 30	" 7
7	15 × 15½ × 9	21 × 30	" 7
88	15 × 15½ × 9	23 × 33	" 8
8	17 × 17½ × 10	23 × 33	" 8

Pipe collar 18¾ inches in circumference.

Can be furnished without skirting if desired.

MT. PENN STOVE WORKS,
READING, PA.

New Albion Cook Stove

Suitable for any kind of fuel. Basket Grate, Dumping-and-shaking Grate, or Wood Grate

If no mention is made in the order of the style of grate desired, we send basket grate.

Front fire doors illuminated or blank, as desired.

Finished with polished edges, tin-lined oven doors, patent pedal oven door opener, swinging hearth plate, back table, oven shelf, large nickel door panels with handsome tile, and nickel knobs and hinge pins.

No.	Size of Oven Inches	Length of Wood Inches	Size of Top Inches	Circum. of Pipe Collar Inches	Pot Holes Inches
6	20½×20½×13 ×6½	23	24¼×28½	18¾	Four 6
7-21	20½×20½×13 ×6½	23	26¼×28½	18¾	" 7
7	22½×23 ×14½×7½	25	26¼×29¾	18¾	" 7
8-23	22½×23 ×14½×7½	25	28¼×29¾	18¾	" 8
8	25 ×25 ×15½×8	27	28¼×32½	21⅛	" 8
9-25	25 ×25 ×15½×8	27	30½×32½	21⅛	" 9
9-27	26½×27 ×16 ×9	29	30½×34¾	21⅛	" 9

Can be fitted with any pipe shelf, tea shelf or warming closet. With base or without. Ware extra, if desired.

In ordering, please state whether with or without ware.

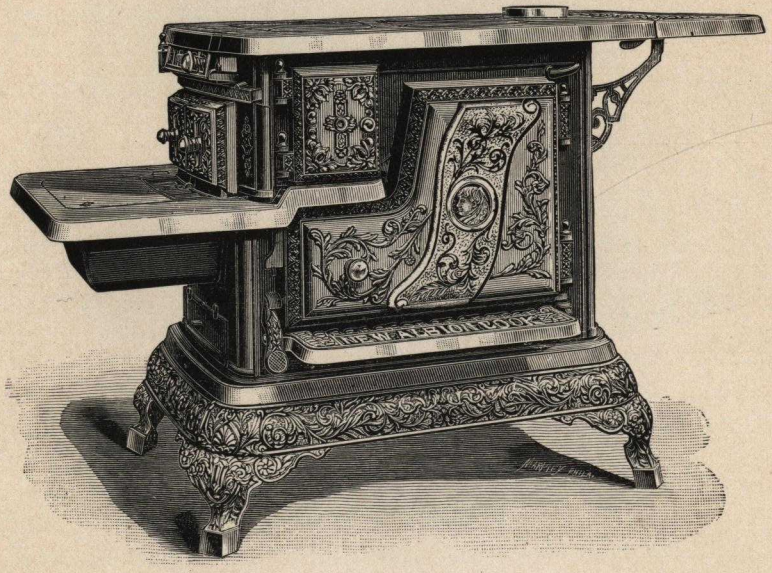
In ordering repairs too great care cannot be taken to give the full number on the top of the stove, as repairs for a "No. 7" will not fit a "No. 7-21," and those for a "No. 8" will not fit a "No. 8-23," etc. Attention to this will save much trouble and useless expense.

In ordering brick or other fire-box repairs for a cook stove which has dumping-and-shaking grate or wood grate, care should be taken to mention the fact, as if nothing is said to the contrary we will suppose the stove has the basket grate, and will ship accordingly.

MT. PENN STOVE WORKS,
READING, PA.

New Albion Cook

For Hard Coal, Soft Coal or Wood. Seven Sizes.
Four Boiling Holes



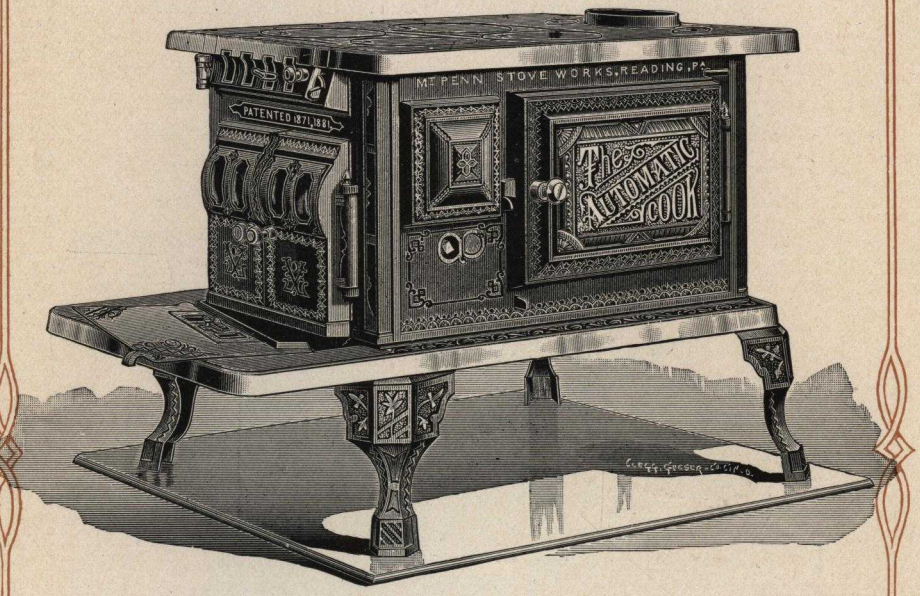
Showing stove with base or skirting

Made with basket grate, or dumping-and-shaking grate,
or wood grate.

MT. PENN STOVE WORKS,
READING, PA.

Automatic Cook

For Hard Coal, Soft Coal or Wood



No.	Size of Oven Inches	Length of Wood Inches	Size of Top Inches	Pot Holes Inches
8	23 × 16 × 11⅝	22	27 × 36	Four 8

It has large nickel name plates with tile, nickel hinge pins, swinging hearth plate, illuminated front fire doors, tin-lined oven doors, dust damper, opening in back for cleaning out the flues, and is especially adapted to the use of any size of coal, having either very deep basket grate or the patent automatic grate.

If the patent automatic grate is desired, please so state in your order, as when not so mentioned we send the basket grate.

In ordering fire-box repairs and brick for the Automatic Cook, particular care should be taken to mention whether the stove for which they are required has basket grate or patent automatic grate.

MT. PENN STOVE WORKS,
READING, PA.

Hot Water Heating Range

The only range of its kind on the market.

It answers for all purposes of cooking, baking, roasting, etc., and at the same time will heat all of a small house or part of a large one.

One fire both to cook with and to heat with and at a great saving of fuel.

One fire in the kitchen, insuring freedom from dust and dirt through the house.

One fire to attend to, a great saving of labor.

Hot water heat. The most satisfactory and economical form of house heating.

Perfect control. Easy to operate. Burns hard or soft coal.

Fully guaranteed for a capacity of from 6,000 to 8,000 cubic feet, which is equivalent to about 200 feet of radiation.

Dimensions

Six pot holes,		8 inches
Size of oven,	19×18	×12 "
Size of top (including table),	59	×28 "
Size of top (less table),	41½	×28 "
Size of fire-box (regular),	8	×17 "
Size of fire-box, (reduced for summer use),	6½	×17 "
Circumference of pipe collar,		21⅛ "

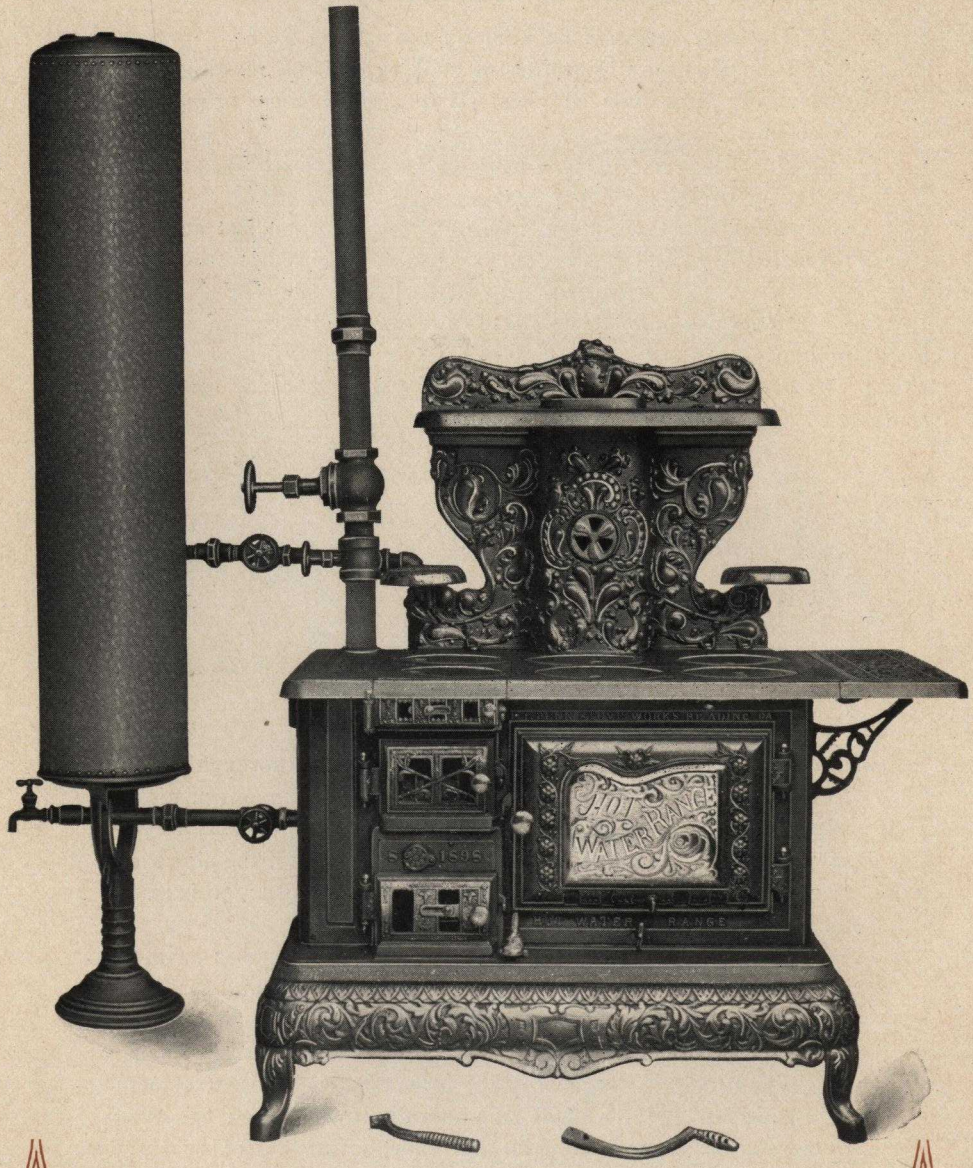
Design and Construction

The range itself is of handsome design and is thoroughly satisfactory in its working qualities. It has the usual amount of nickel trimmings and is entirely modern in construction. It is usually sold with the pipe shelf (as shown on page 46), but if the pipe shelf is not desired, it may be left off and a proper reduction is made in the price.

The Ransom Duplex grate is used, and the range has a ventilated oven door and cut top (to prevent warping and facilitate repairing). A hot-air attachment may be used, which consists of adding an elbow at the back of range to which is attached a small heat pipe running to register in the room above. This attachment is intended to supply a small amount of warm air from the oven (when not in use for baking) to the room above. There is a slight charge for this attachment. Full descriptive circular on application.

MT. PENN STOVE WORKS,
READING, PA.

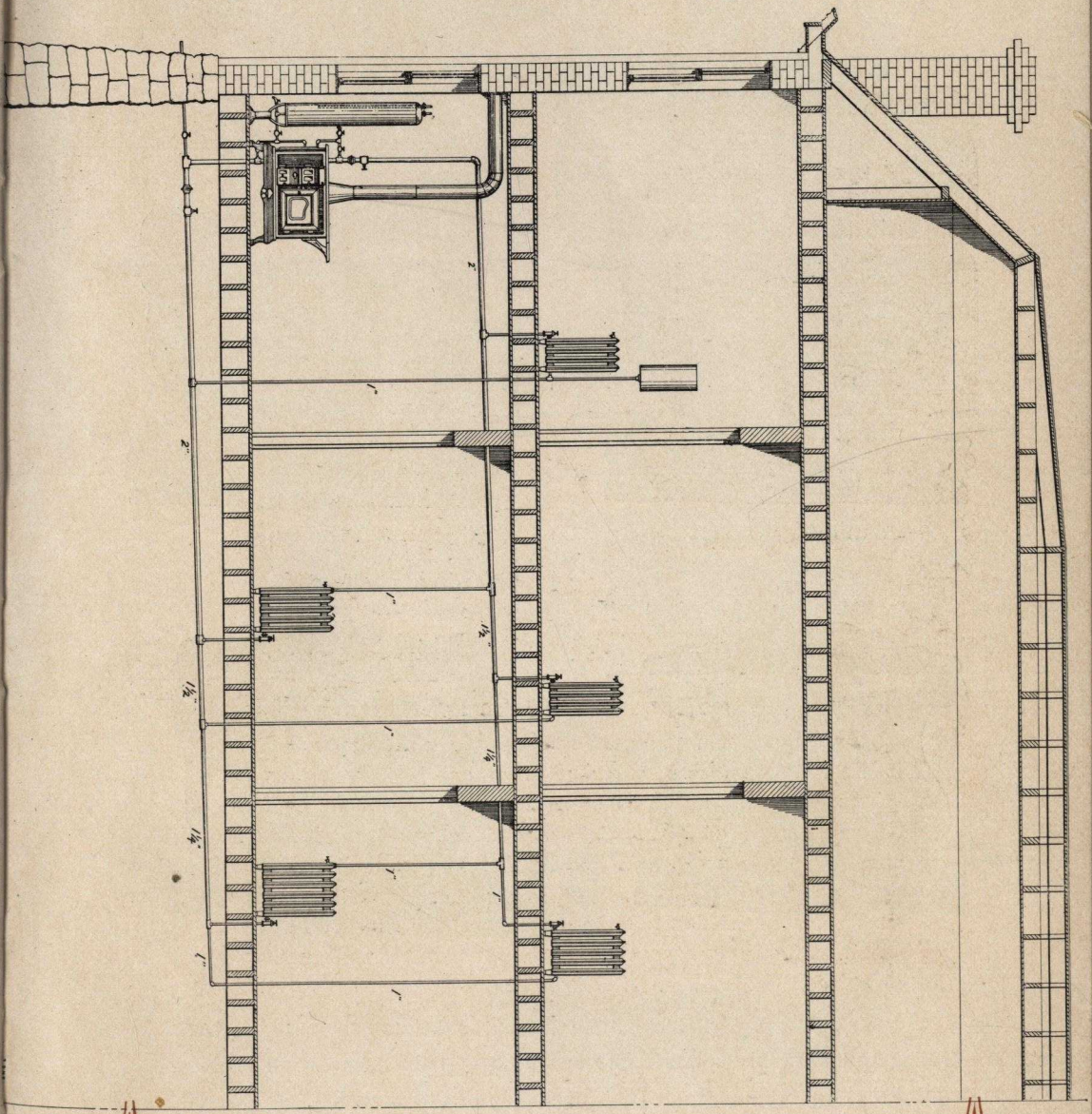
Hot Water Range



Front view of Range with Circulating Boiler

MT. PENN STOVE WORKS,
READING, PA.

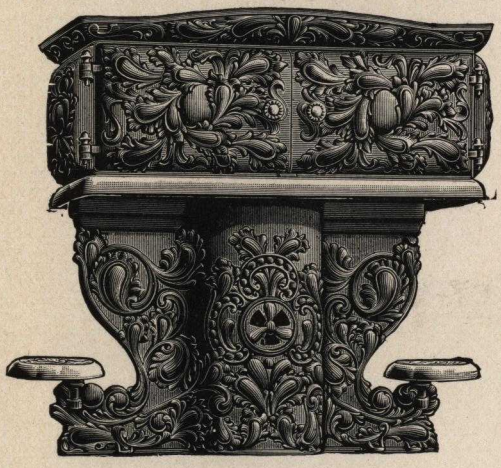
Hot Water Range



System of piping building

MT. PENN STOVE WORKS,
READING, PA.

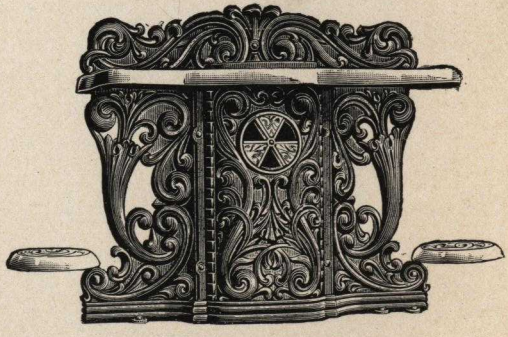
High Shelves and Warming Closet



Warming Closet

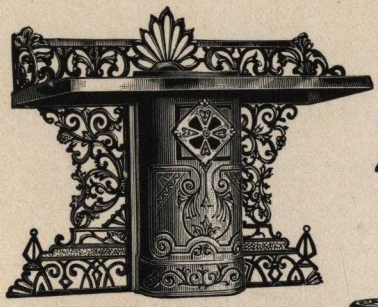
F Pipe Shelf

G Pipe Shelf

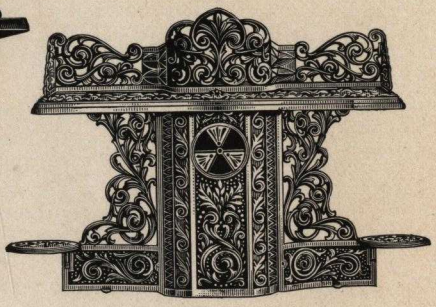


H Pipe Shelf

The above pipe shelves can be shipped as skeleton shelves if desired. Nickel-plated register wheel and swinging cup brackets on all shelves. Nickeled top table and rail (half nickeled) or full nickeled, as ordered. We recommend the above shelves for all styles of Penn Esther ranges.



C Pipe Shelf

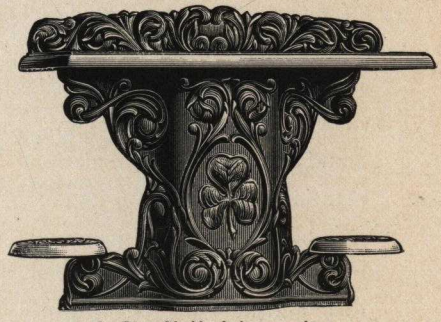


D and E Pipe Shelf

B Pipe Shelf, skeleton only

E Pipe Shelf

Our E pipe shelf is exactly the same as the D pipe shelf in design, size and price, with the exception of the top rail, which is *straight* instead of *curved*, as shown above.



L Pipe Shelf, skeleton only

A Tea Shelf

B Tea Shelf

The K pipe shelf is the same as the H, except the flue being curved to fit the Penn Elmo Range.

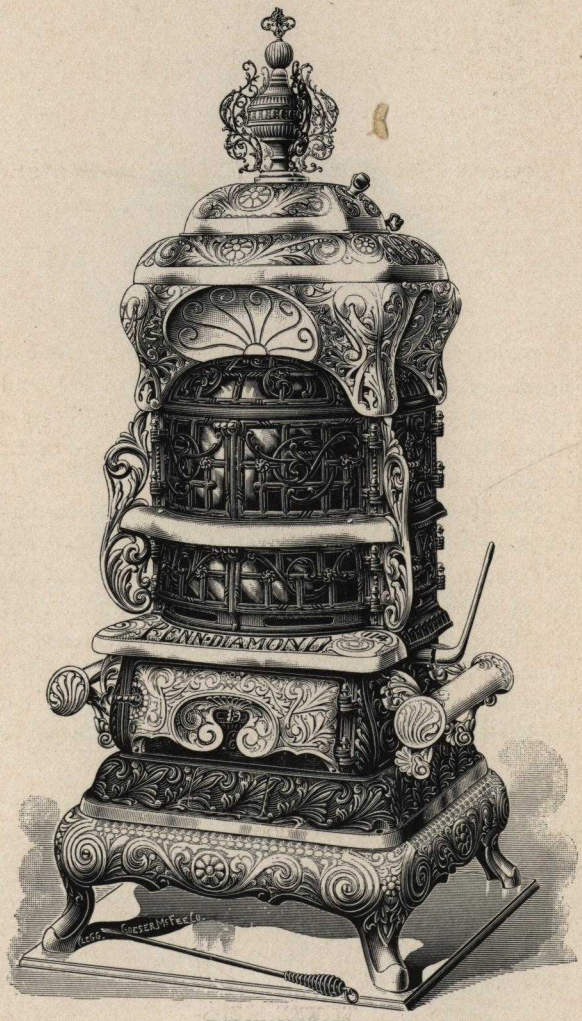
Penn Diamond

Square Parlor Stove and Double Heater
A Full Revertible Flue Base Burner

The Penn Diamond represents the very latest design of modern heater construction. In appearance it is not surpassed by any base burner upon the market, and in its construction we have used every effort to meet the requirements of the most progressive and fastidious dealers in the trade. The nickel trimmings are of the latest fashion, and are all so arranged as to be put on or taken off without any trouble or confusion to the dealer. The cold air is carried from the floor, and the volume of hot air for the room above is increased by inlets of air around and under the nickeled upper section. The effect of this is not only to increase the power of the Penn Diamond as a double heater, but it makes it a most effective circulating or ventilating stove, keeping the air of the room in which it stands in constant circulation. It is made heavy and substantial, which adds to its durability and radiating power, and it is taken apart in the middle for convenience in handling and repairing. The fire-pot, in particular, is made unusually deep and heavy. The ash-pit is large and deep, and furnished with capacious ash-pan. The heat pipe collar has nickel-plated cover for putting on when the stove is not used as a double heater. There is a cast iron elbow and tea kettle jog. The clean-out stopper is in the front of the base, so that dust can be removed from the flues without inconvenience. The grate is the Ransom improvement of the duplex, the most satisfactory grate ever made for this style of stove. We have endeavored to make the Penn Diamond a perfect parlor stove and double heater.

MT. PENN STOVE WORKS,
READING, PA.

Penn Diamond



DIMENSIONS

	No. 113 Inches	No. 114 Inches	No. 115 Inches	No. 117 Inches
Diameter of fire-pot,	13	14	15	17
Depth of fire-pot,	9¾	10	10½	11
Height, floor to heat pipe collar,	46½	48	49½	51½
Height, floor to smoke pipe collar,	34¾	35¾	36¾	38
Ash-pit,	13×17	14×18	15×19	16×20

MT. PENN STOVE WORKS,
READING, PA.

Penn Royal

Square Parlor Stove and Double Heater
Full Revertible Flue Base Burner

A parlor stove and double heater of handsome design and finish. Elaborately ornamented with nickel and tile. Large fire-pot. Large smoke flues. Large cold air tubes. Large sheet iron ash-pan. Centre-discharge grate or Ransom duplex grate, whichever is preferred.

When used as a double heater, it takes the cold air into the lower part of stove below the fire-pot, and carrying it in cast iron tubes surrounding the fire, discharges a large volume of intensely heated air into the room above. There is not a better double heater on the market to-day.

When used simply as a single heater or a parlor stove it creates a perfect and continuous circulation, by carrying the cold air from near the floor through the stove and discharging it as hot air at the top.

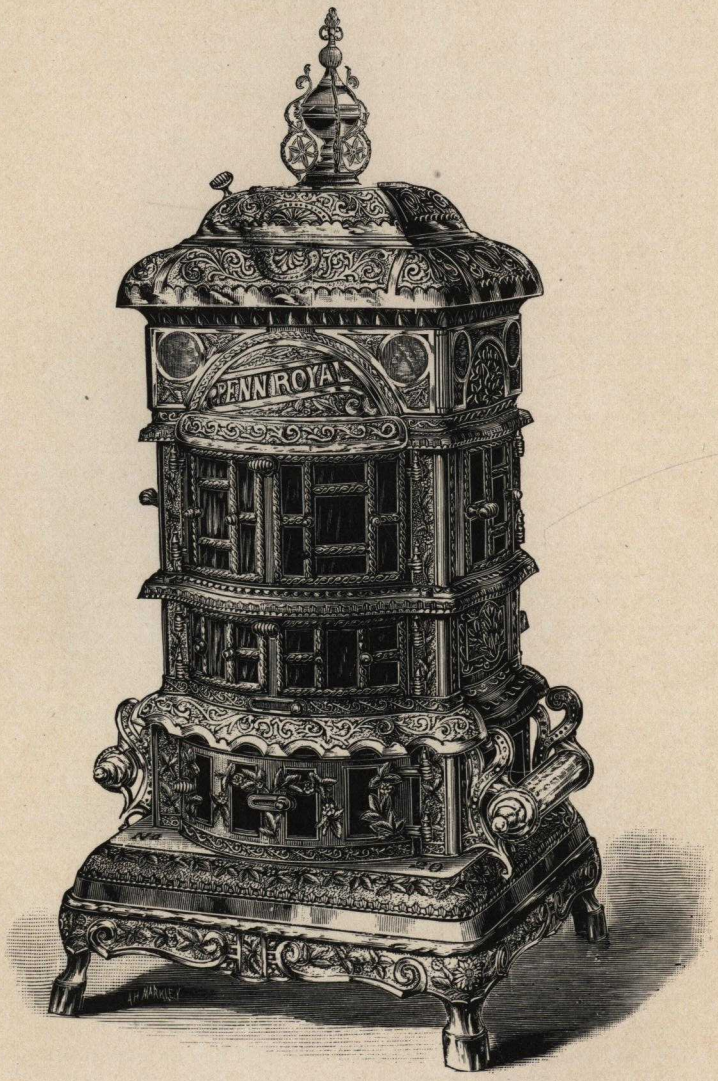
Arranged to be taken apart at the middle section and shipped in two parts for convenience in handling and repairing.

THREE SIZES

With centre-discharge grate, . . Nos. 18, 20 and 22
With duplex grate, ... Nos. 118, 120 and 122

MT. PENN STOVE WORKS,
READING, PA.

Penn Royal

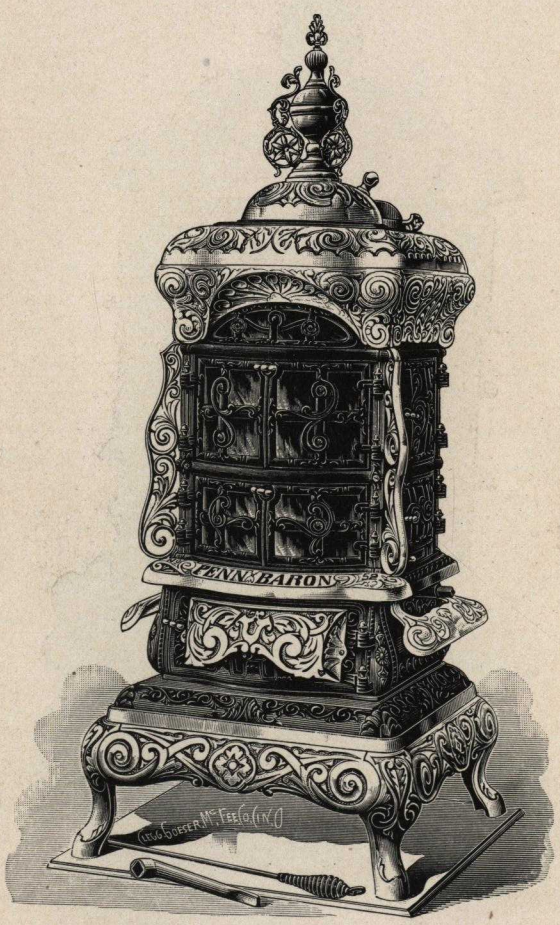


DIMENSIONS	Nos. 18 and 118, Inches	Nos. 20 and 120, Inches	Nos. 22 and 122, Inches
Diameter of fire-pot,	12	13	14
Depth of fire-pot,	7	7½	8
Height, floor to feed door or heat pipe collar,	41	42½	44
Height to smoke pipe collar,	30	31	32
Ash-pit,	15×12	16×13	17×14

MT. PENN STOVE WORKS,
READING, PA.

Penn Baron

Full Revertible Flue Double Heater
Ransom Duplex Grate



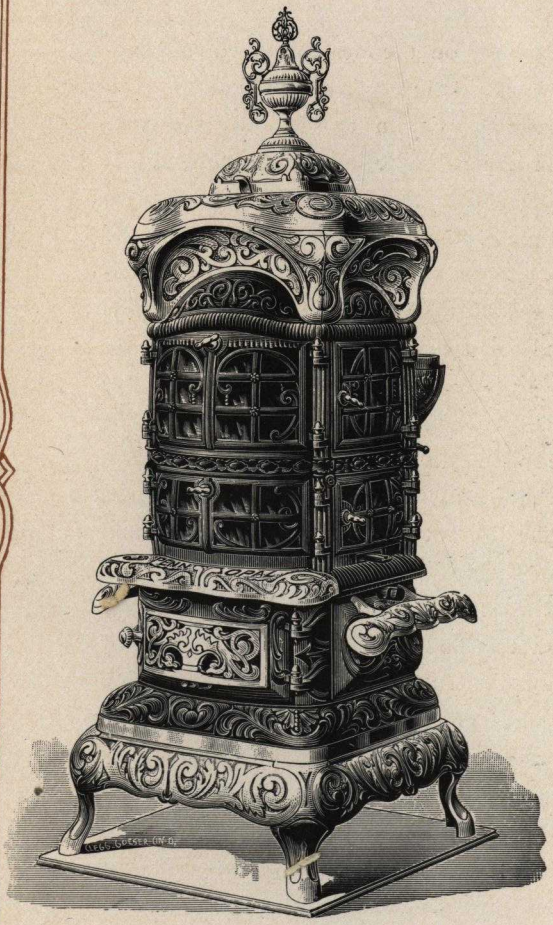
No. 60,	12-inch	fire-pot;	45	inches	from	floor	to	base	of urn
65,	13 "	"	46	"	"	"	"	"	
70,	14 "	"	47	"	"	"	"	"	

A highly ornamental stove, and a first-class double heater.
Can be shipped without nickeled wings, if desired.

MT. PENN STOVE WORKS,
READING, PA.

Penn Opal

Parlor Stove. Straight draft or full revertible flue
One of the very best selling stoves on the market
Ransom Duplex grate



For many years we have been trying to put a stove upon the market which would compare favorably with the high-priced class, appear massive and handsome, yet be cheap and within the reach of every wise buyer. We think our expectations have been realized in the Penn Opal.

This stove we have made both as a straight draft and as a full revertible flue self-feeding base burner parlor stove. We have used the Ransom Duplex grate, decorated the stove most effectively, and at the price we sell it the Penn Opal has found a ready and increasing market. The stove is a handsome one, very heavy looking, highly ornamented, fully nickeled and effective.

Straight Draft No.	Full Revertible Flue No.	Diameter of Fire-pot Inches	Height to Base of Urn Inches
109	118	9	41
110	120	10	43
111	122	11	45
112	124	12	47

MT. PENN STOVE WORKS,
READING, PA.

The Penn Oak

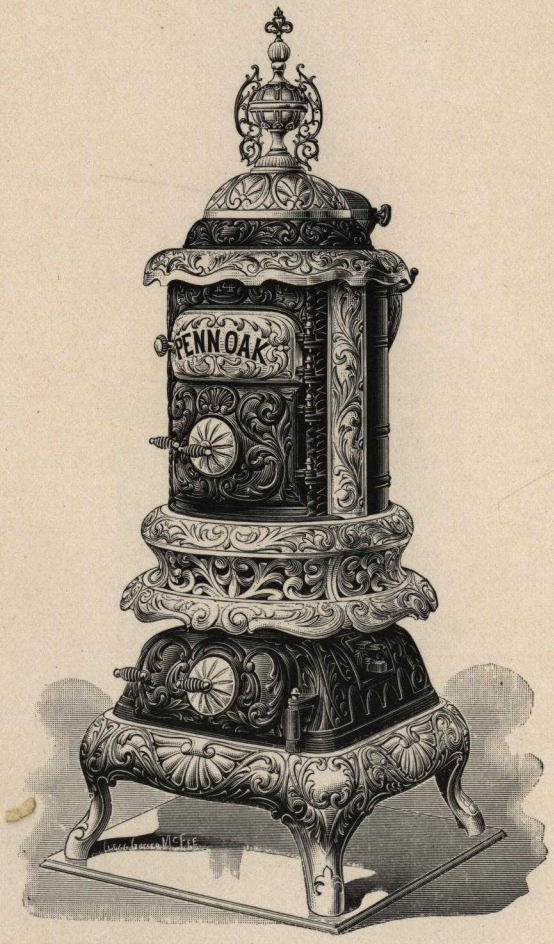
The Penn Oak is built on the most approved construction and with the latest design of ornamentation. In workmanship and material we aim to use only the best, making the Penn Oak a first-class oak stove throughout. It is suitable for burning any kind of fuel, being fitted with the Ransom duplex grate, the draw-centre grate or the wood-burning grate. It is so constructed that a wood-burning plate can be laid over the coal grate when it is desired to burn wood for a season. The plate can be removed by simply lifting it out the door. No bolts or pieces to bother with. This, in itself, is a desirable feature. The Penn Oak is made with the gas-burning ring which is designed to consume all gases which would otherwise pass out the chimney. The fire-pot is heavy and durable, and when desired, we can furnish either extra cast linings or fire-brick linings. The stove is also shipped with heavy cast linings to protect the body of the stove, and thereby adding to the life of the stove without needing repairs. Among the other features of the stove are open or closed feed door, ash-pan, magazine if desired, and deflector plate when ordered. Magazine and cast iron patent elbow with draft damper.

In the twenty-nine different styles and sizes we can offer a line of oak stoves that cannot be excelled; single or double heater, straight draft or revertible flue. Handsome nickel-plating and first-class material make this line of stoves the best oak stoves on the market.

MT. PENN STOVE WORKS,
READING, PA.

The Penn Oak

Straight Draft



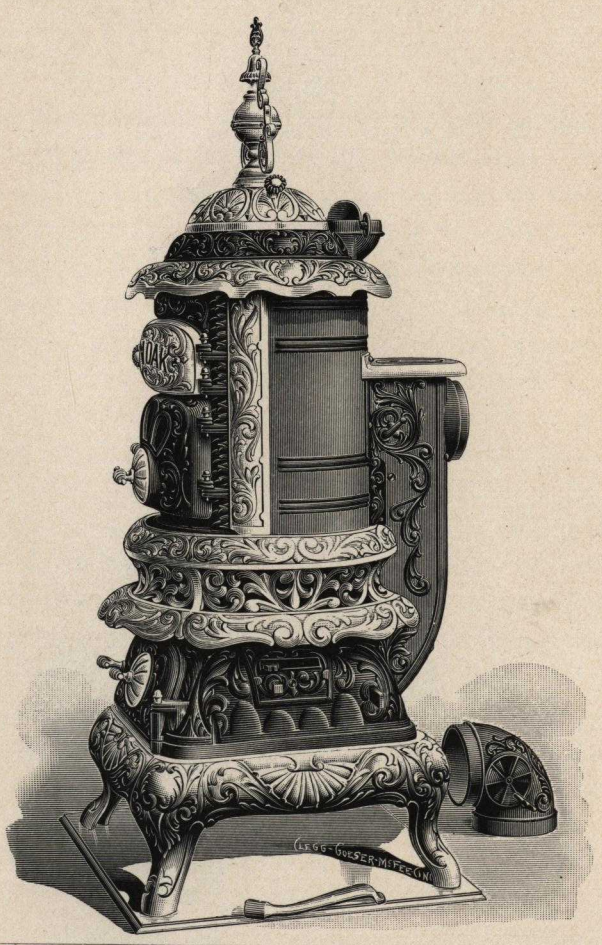
Single Heater Centre-discharge Grate No.	Single Heater Duplex Grate No.	Double Heater Centre-discharge Grate No.	Double Heater Duplex Grate No.	Diameter of Fire-pot Inches	Depth of Fire-pot Inches	Height from Floor to Base of Urn Inches
14	28	42	56	12½	8	48
16	32	48	64	14½	9	53
18	36	54	72	16½	10	57

Shipped regularly with cast iron body linings, but without cylinder linings and without magazine.

MT. PENN STOVE WORKS,
READING, PA.

Penn Oak

Revertible Flue



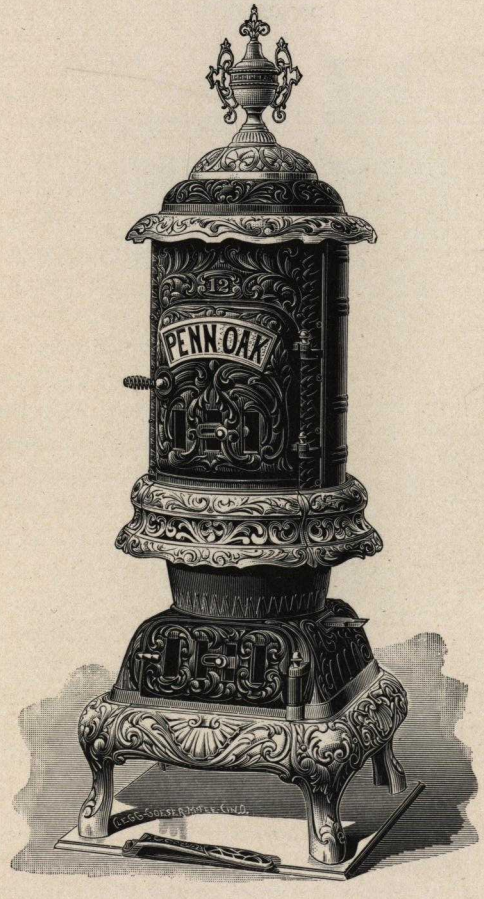
Single Heater Centre-discharge Grate No.	Single Heater Duplex Grate No.	Double Heater Centre-discharge Grate No.	Double Heater Duplex Grate No.	Diameter of Fire-pot Inches	Depth of Fire-pot Inches	Height from Floor to Base of Urn Inches
114	128	142	156	12½	8	48
116	132	148	164	14½	9	53
118	136	154	172	16½	10	57

Shipped regularly with cast iron body linings, but without cylinder linings and without magazine.

MT. PENN STOVE WORKS,
READING, PA.

Penn Oak

Our Baby Oak Centre-discharge Grate
Straight Draft



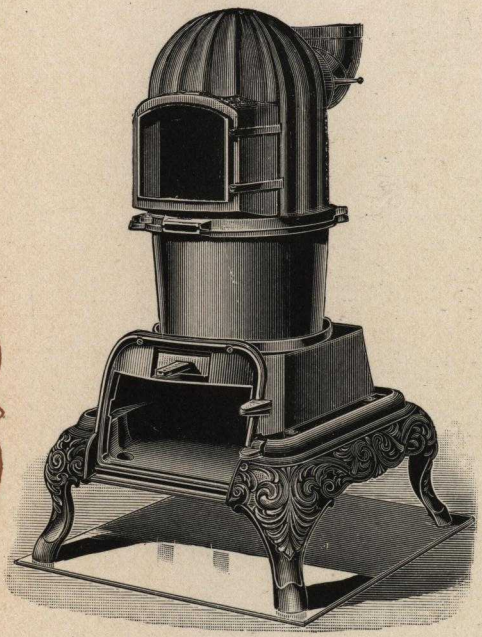
No. 9,	9 inch	Fire-pot,	Single	Heater.	35	inches	from	Floor	to	Base	of Urn.
10,	10 "	"	"	"	37	"	"	"	"	"	
12,	12 "	"	"	"	41	"	"	"	"	"	
15,	12½ "	"	"	"	46	"	"	"	"	"	
30,	12½ "	"	Double	"	46	"	"	"	"	"	

Furnished without magazine, unless otherwise ordered.

MT. PENN STOVE WORKS,
READING, PA.

Penn Air-tight

Surface Burning Stove and Double Heater. For hard coal or soft coal. A modern, handsome, high-class stove and double heater. Substantial, durable and of unusual heating capacity.



Showing the Cast Iron Cylinder, without the Ornamental Body

The cast iron cylinder is provided with a gas burning ring extending all the way around above the fire line. This permits complete combustion, and greatly reduces the consumption of fuel. It is a feature not found in other stoves of this class. The cast iron cylinder is corrugated, adding largely to the radiation surface, and thus increasing the heating power of the stove.

The sheet iron cylinder has a cast iron dome, which adds strength, durability and radiating power.

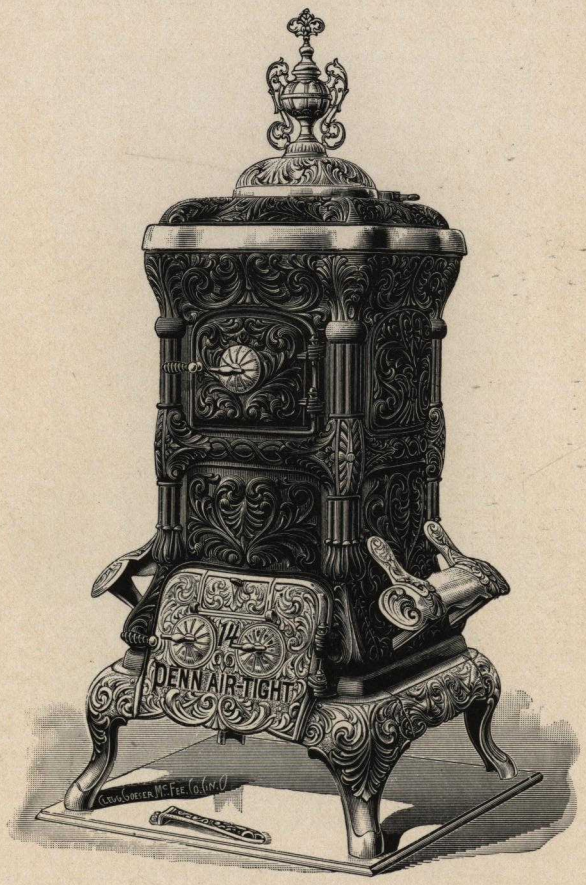
The Penn Air-tight is made either with heavy cast cylinder or with sheet iron cylinder and fire-brick lining.

Solid feed door with air-tight damper, or mica illuminated feed door with check slide. When used as a double heater there are two ways of taking off the heat pipe—either from collar behind swing top and urn, or the urn and swing top may be removed altogether and the heat pipe taken up from the centre of the top. In ordering, please state your preference on the above points. The fire-pot is large; the grate is either the centre-discharge, or duplex pattern and suitable for any kind of fuel; the ash-pit is very large and deep, with extra large ash door and air-tight dampers. Handsomely nickel-plated, and a profitable and satisfactory stove and heater to sell in any section of country.

MT. PENN STOVE WORKS,
READING, PA.

Penn Air-tight

Surface Burning Stove and Double Heater
For hard coal or for soft coal



DIMENSIONS

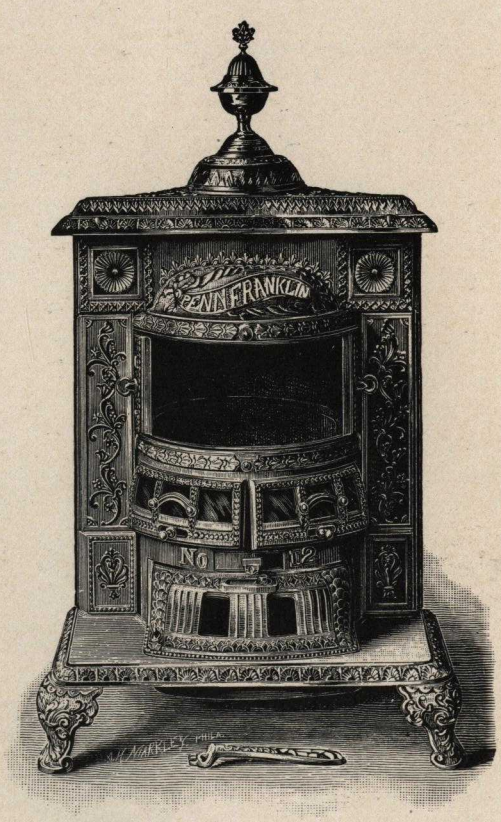
Cast Iron Cylinder		Brick Lined Drum		Diameter of Fire-pot	Depth of Fire-pot	Height from Floor to Base of Urn	Height from Floor to to top of Elbow
Centre-discharge Grate No.	Duplex Grate No.	Centre-discharge Grate No.	Duplex Grate No.	Inches	Inches	Inches	Inches
13	39	26	52	12	9	46	40½
14	42	28	56	13½	9½	49	42
16	48	32	64	15	10	51	44

Furnished as a double heater unless otherwise ordered. Shipped regularly with nickeled feet and skirting, foot rails, ash door panel dampers, top band, swing cover, and shaker.

MT. PENN STOVE WORKS,
READING, PA.

Penn Franklin

Open Parlor Stove. Straight Draft



No. 210	Diameter of Cylinder,		10	inches.
220	"	"	12	"
240	"	"	14	"
260	"	"	16	"

Sliding upper mica doors. Hinged lower mica doors. Centre-discharge grate. Natural gas burner substituted for centre-discharge grate without extra charge.

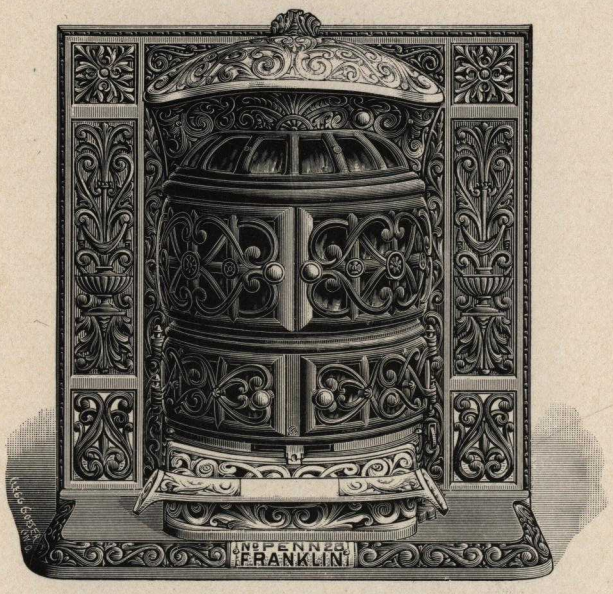
The construction of the Penn Franklin gives it an immense advantage over any of the former styles of open parlor stoves on the market. By closing the mica doors, it can be operated just like any ordinary round or square parlor stove. It can be closed up tight, and does away with the nuisance of dust usually attendant upon open stoves when raking the fire.

In ordering, state whether plain frame or nickeled tile frame.

MT. PENN STOVE WORKS,
READING, PA.

Penn Franklin

Fire-place Heater



Our new design in a fire-place heater, with all the latest improvements.

The handsome bulge front, being extended more into the room than any stove of this class, makes it an exceptionally strong heater on the first floor, as well as on floor above. It has a check damper in smoke collar for controlling draft, draw-centre and centre-discharge grate and elegant nickel trimmings.

DIMENSIONS

	Height from Floor to Top of Frame	Width of Frame	Diameter of Fire-pot
No. 28,	33 inches	31 inches	15 inches

SMALLEST OPENING IN WALL CAPABLE OF INSERTING HEATER

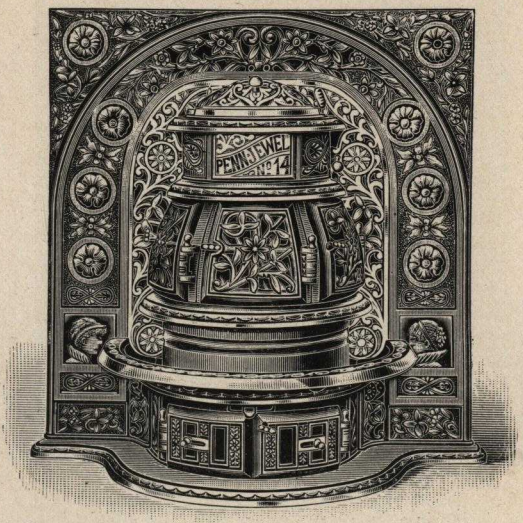
	Height	Width	Depth
No. 28,	27 inches	19½ inches	14½ inches

Nickel-plated top hood, nickel-plated foot rail and nickel-plated ash door shield. We are able also to furnish this heater with handsome tile setting in either plain or nickel frame. Three styles of frame, either square, round or French, as desired.

MT. PENN STOVE WORKS,
READING, PA.

Penn Juliet

Fire-place Heater. Centre-discharge Grate.
With fire-brick lining. Damper
in smoke pipe collar



The heater is made in one size, but the frames are made in two sizes and three styles—square top, circular top and elliptical corners (for French mantels).

No.	Height from Floor to top of Frame Inches	Width of Frame Inches	Width of Bottom Inches
14	34½	32	34¼
28	31	30	31¾

Diameter of fire-pot (inside of brick lining), 12 inches

The opening in wall to admit heater must be at least 26½ inches high, 18 inches wide, and 12 inches deep.

MT. PENN STOVE WORKS,
READING, PA.

Penn Juliet

Fire-place Heater. Centre-discharge Grate.
Fire-brick Lining

This heater is made in one size and style only.

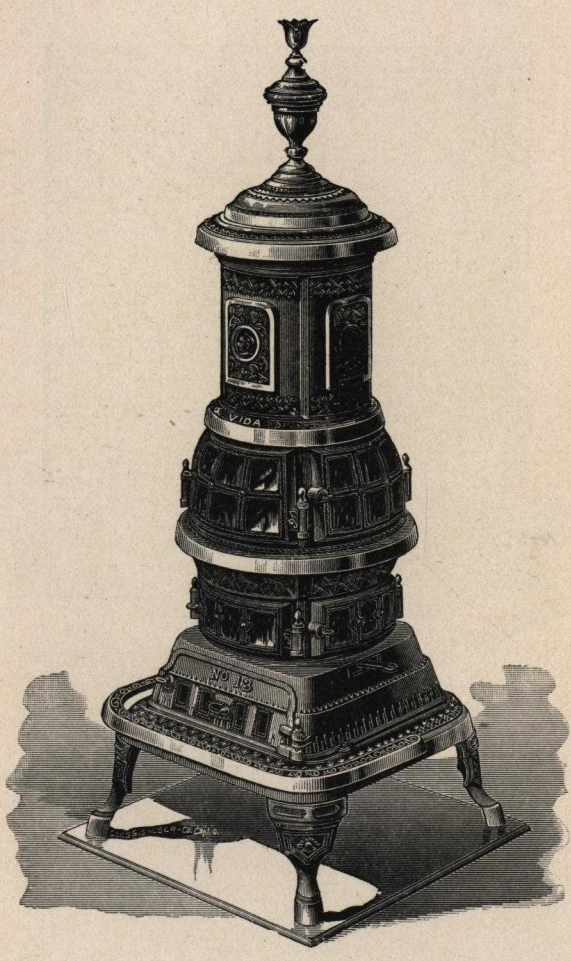
Height from Floor to Top of Frame	Width of Frame	Width of Bottom
Inches	Inches	Inches
33	30	14

Diameter of fire-pot (inside of brick lining), 12 inches.

The opening in wall to admit heater must be 28 inches high, 18 inches wide, and 12 inches deep.

Vida

Improved Centre-discharge Grate
Straight Draft

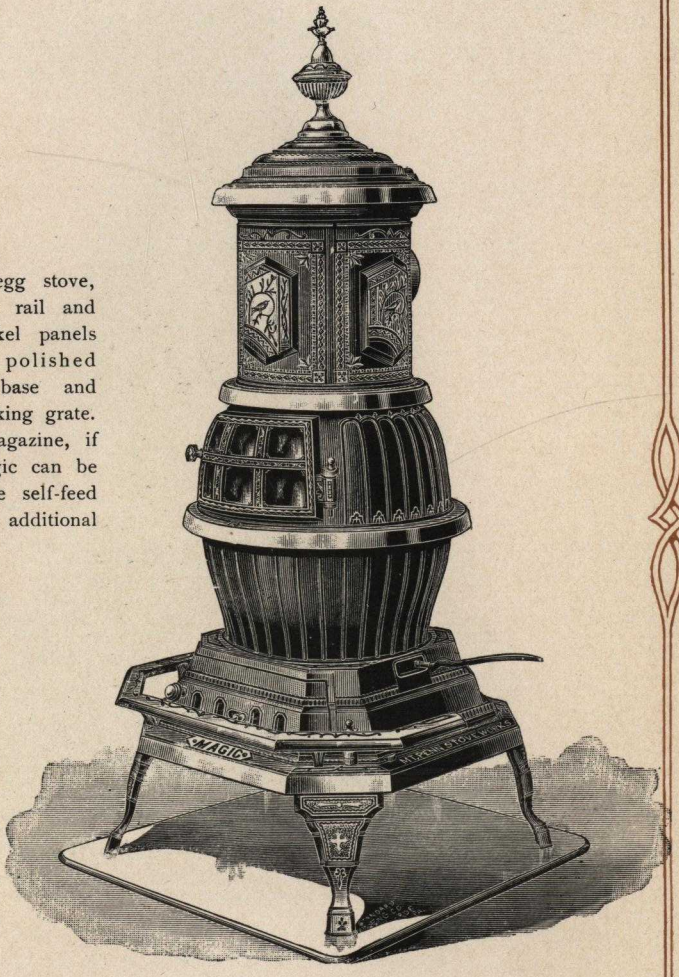


		No. 11	No. 12	No. 13	No. 14
Height to base of urn,	Inches,	40	41½	44	46½
Diameter of fire-pot,	"	9	10	11	12½
Depth of fire-pot,	"	7½	8	8½	9

MT. PENN STOVE WORKS,
READING, PA.

Magic

A cheap egg stove, with nickel foot rail and hinge pins, nickel panels and ornament, polished edges, square base and dumping-and-shaking grate. By adding a magazine, if desired, the Magic can be made a complete self-feed stove at slight additional expense.



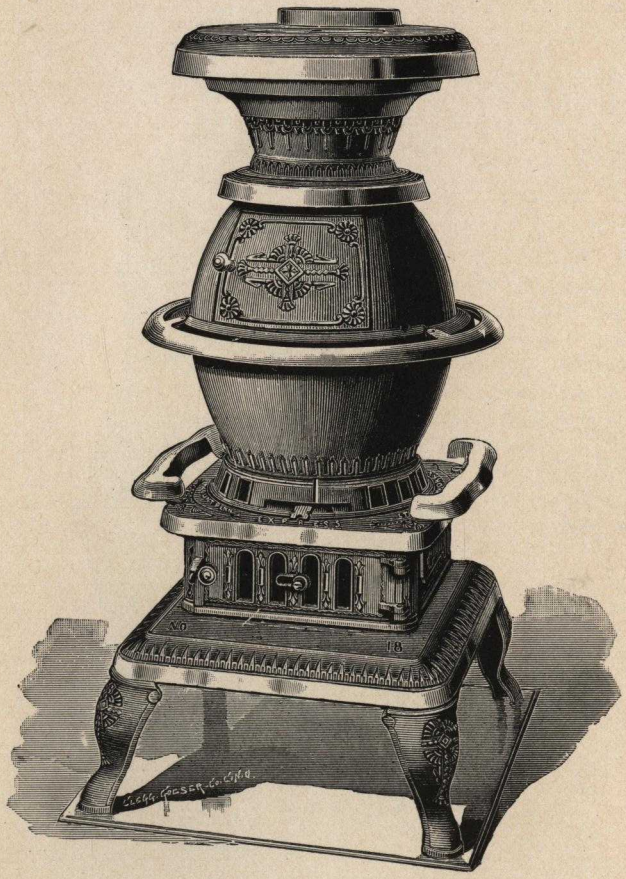
The lower fire-pot is expanded at the bottom and gives an increased grate surface.

	No. 11	No. 12	No. 13	No. 14
Height to base of urn, ... Inches,	38½	40	42	45
Diameter, ... "	11½	12½	13½	14½

MT. PENN STOVE WORKS,
READING, PA.

Express

Centre-discharge Grate



With blank feed door (like cut), or with mica illuminated feed door, as desired.

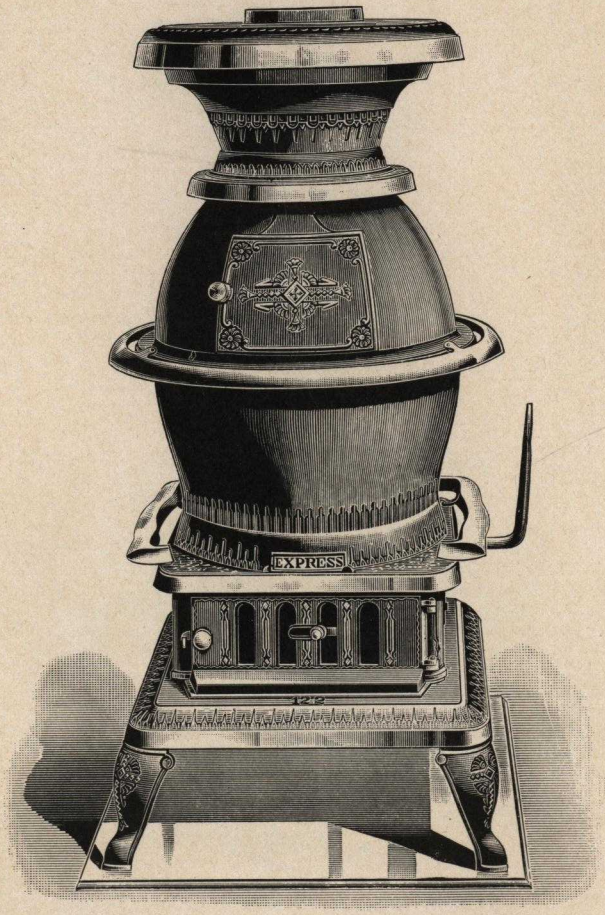
No.	Height of Stove Inches	Diameter of Globe Inches	Diameter of Grate Inches
16A	41	13	8
18A	44	15	10
20A	48	17	12
22A	52	20	13½

Shipped entirely plain and without ash-pan, unless otherwise ordered. Nickel-plated feet, foot rails and fender ring, if desired.

MT. PENN STOVE WORKS,
READING, PA.

Express

Ransom Duplex Grate



With blank feed door (like cut), or with mica illuminated feed door, as desired.

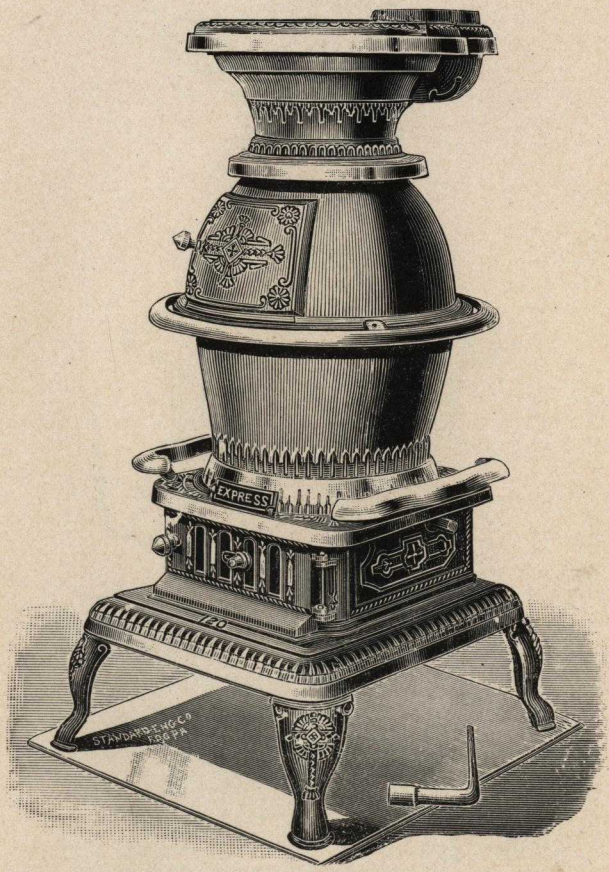
No.	Height of Stove Inches	Diameter of Globe Inches	Diameter of Grate Inches
16B	41	13	9
18B	44	15	11
20B	48	17	13
22B	52	20	15

The lower fire-pot is expanded at the bottom, thereby increasing the grate surface.

MT. PENN STOVE WORKS,
READING, PA.

Express

With Collar Jog



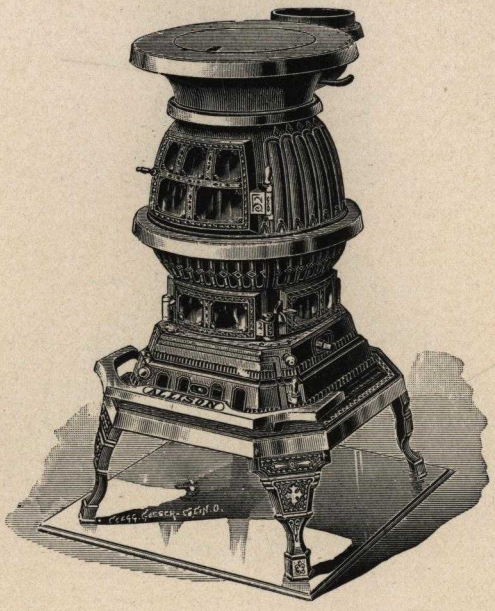
Jog extending back of the top, to which the pipe collar is attached. This gives the full surface of the top to use for any purpose desired.

Centre-discharge Grate No.	Duplex Grate No.
16-C	16-D
18-C	18-D
20-C	20-D
22-C	22-D

Dimensions and trimmings same as page 66

MT. PENN STOVE WORKS,
READING, PA.

Allison



		No. 11	No. 12	No. 13	No. 14
Height,	Inches,	30	31½	33	35
Upper diameter of fire-pot,	"	9	10	11	12½
Lower diameter of fire-pot,	"	6	6½	8	9
Depth of fire-pot,	"	7½	8	8½	9

The Allison has illuminated base, nickel foot rail and hinge pins, polished edges, check damper, and the centre-discharge grate.

It can also be furnished at slight additional expense with full illuminated upper cylinder like the Vida, with mica doors complete, making a beautiful improvement on the old style plain globe stoves in general use.

MT. PENN STOVE WORKS,
READING, PA.

Charm

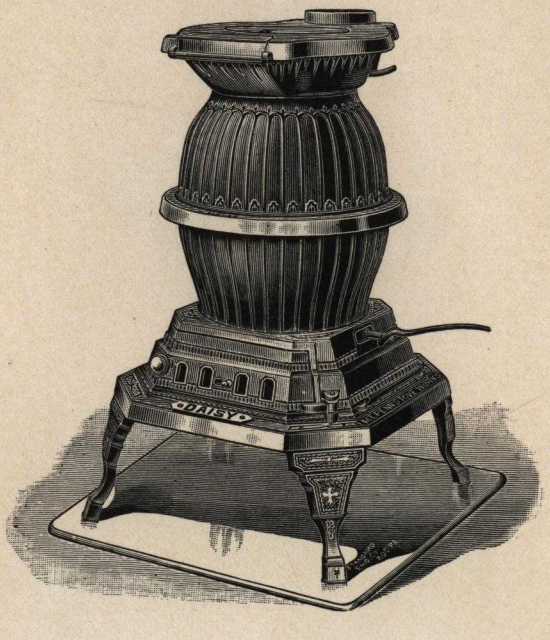
We would call your special attention to the increased grate surface obtained by expanding the lower fire-pot at the bottom.

No.	Height of Stove Inches	Diameter Inches
11	30	11½
12	31½	12½
13	33	13½
14	35	14½

An improved square base globe stove, with damper, nickeled name plate, polished edges, nickeled hinge pins and turnkeys, mica door and dumping-and-shaking grate.

MT. PENN STOVE WORKS,
READING, PA.

Daisy



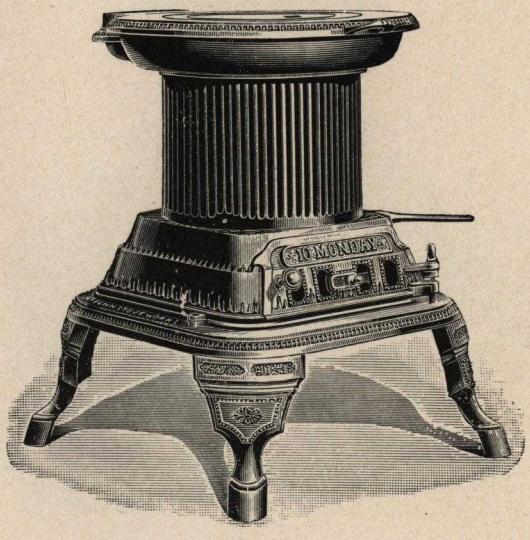
Please notice the widening out of the lower fire-pot at the bottom and the increased grate surface.

No.	Height of Stove Inches	Diameter Inches
10	28	10½
11	30	11½
12	31½	12½
13	33	13½

A globe stove with square base, check damper, dumping-and-shaking grate and top feed. Suitable for anthracite or bituminous coal.

Monday

Brick-lined Cylinder and Revolving Top with Reducing Cover. A most convenient Laundry Stove. Suitable for candy making and butchers' use.



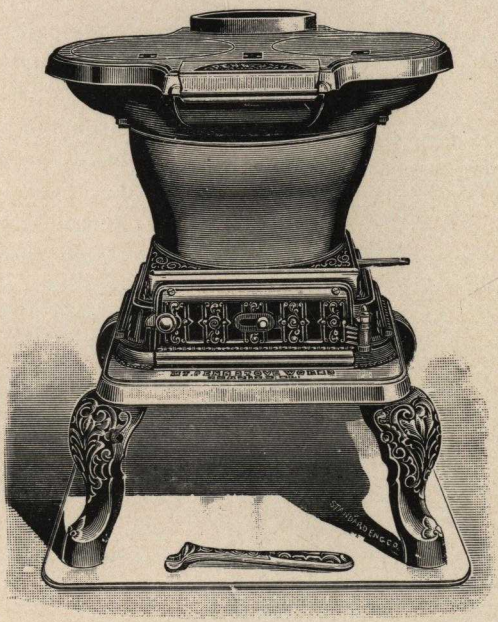
Three Sizes

No.	Diameter of Fire-pot Inches	Depth of Fire-pot Inches	Small Pot Hole Inches	Large Pot Hole Inches	Size of Opening with Top removed Inches	Height from Floor to Top of Stove Inches
10	10	7	7	10	14	23
11	11	7½	7	11	15	24
12	12	8	8	12	16	25

MT. PENN STOVE WORKS,
READING, PA.

Penn Dock

Two Pot Holes. A Good Laundry and Boat Stove
Draw-centre Grate, One Size



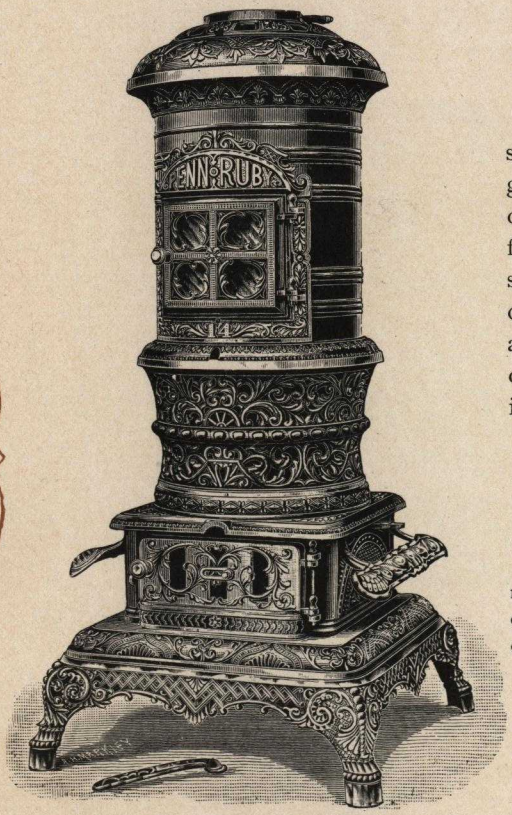
Length of Top Inches	Diameter of Fire-pot Inches	Depth of Fire-pot Inches	Height, Floor to Top of Stove Inches
21	13	7½	25

Handy for candy-makers, butchers, bakers, etc., and for a great variety of purposes.

MT. PENN STOVE WORKS,
READING, PA.

Penn Ruby

A New Russia Iron Double Heater
For Hard Coal or Soft Coal



Inside drum of heavy sheet steel, fitted perfectly gas-tight. Either with cast iron fire-pot or with fire-brick lining, as desired. Centre-discharge or Ransom duplex grate and large poke hole or clinker door (not showing in the cut).

Shipped regularly with nickel top ring (not shown on cut), nickel name plate, poker door and base.

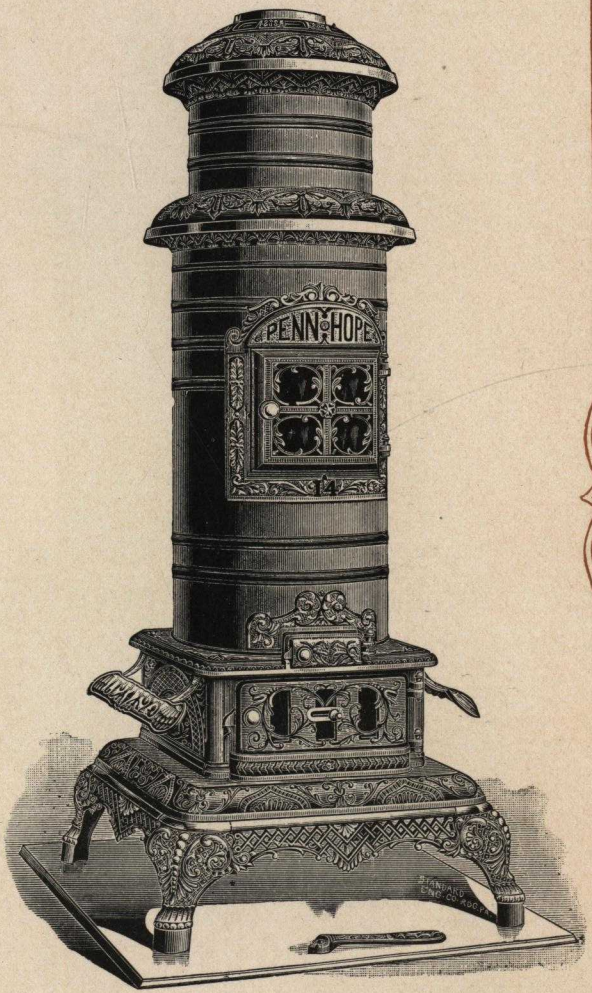
Centre Discharge Grate No.	Duplex Grate No.	Diam. of Sheet Iron Body Inches	Diam. of Fire-pot Inches	Depth of Fire-pot Inches	Height, Floor to Heat Pipe Collar Inches
12	——	12	9½	11½	54
114	214	14	11½	12	56
116	216	16	13½	12½	58

MT. PENN STOVE WORKS,
READING, PA.

Penn Hope Double Heater

Duplex Grate. Double Heater. Straight Draft. Two Sizes Only. For Hard Coal or Soft Coal

Hinged feed door and poke door. Sliding register in top. Centre-discharge grate or Ransom duplex grate. Firebrick lining extends above feed door. Three sizes of pipe collars, 5, 5½ or 6 inches, as desired.

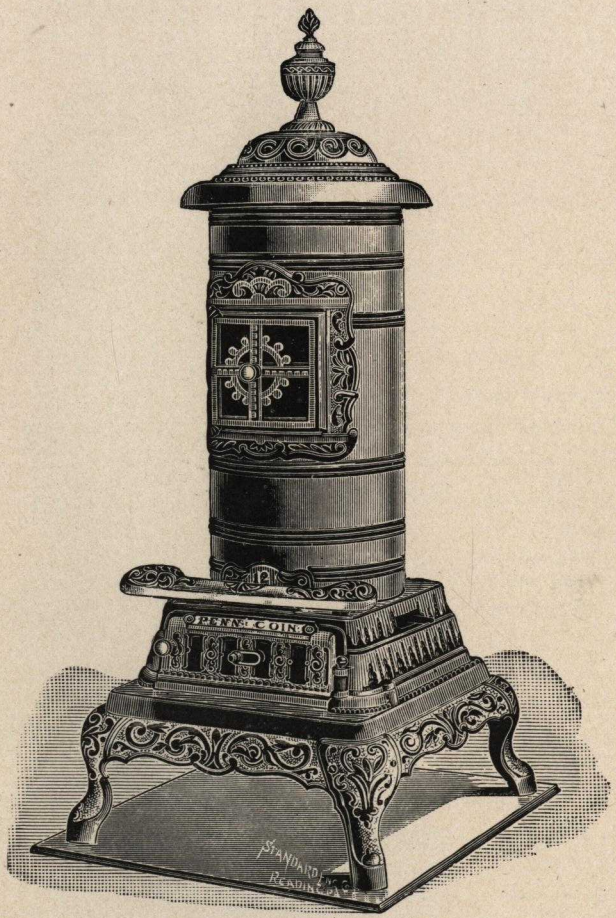


Draw-Centre Grate No.	Duplex Grate No.	Diameter of Body Inches	Diameter of Brick Lining Inches	Height to Heat Pipe Collar Inches
14	114	14	12	63
16	116	16	14	64

MT. PENN STOVE WORKS,
READING, PA.

Penn Coin

Sliding Feed Door Centre-discharge Grate
A Straight Draft Surface Burner



No. 308,	Diameter of Body,		8 in.	Height from Floor to Base of Urn,				41 in.
309,	"	"	9 "	"	"	"	"	44 "
310,	"	"	10 "	"	"	"	"	46 "
311,	"	"	11 "	"	"	"	"	48 "
312,	"	"	12 "	"	"	"	"	49½ "
314,	"	"	14 "	"	"	"	"	51 "
316,	"	"	16 "	"	"	"	"	52 "

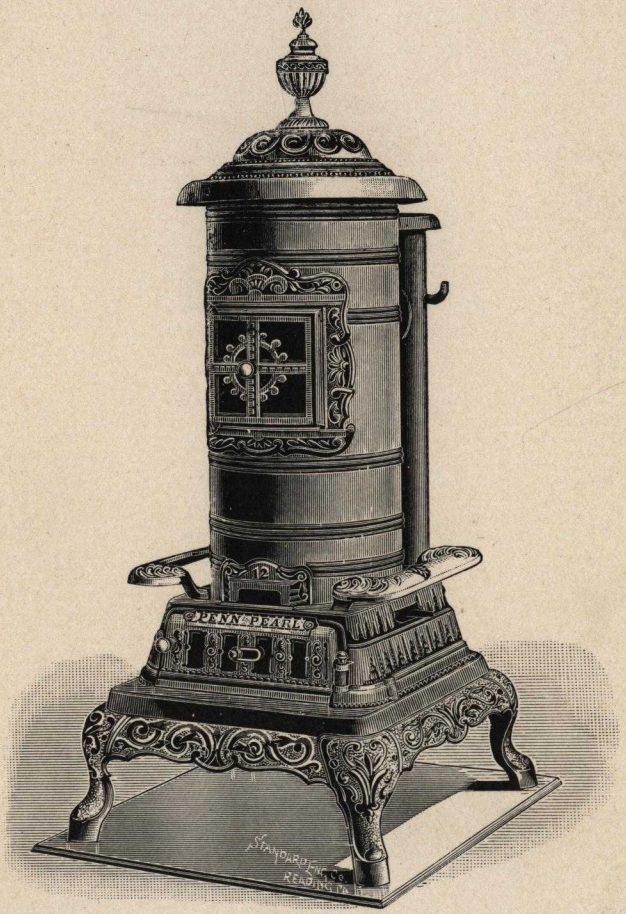
Shipped regularly with nickel name plate and without base. Can be furnished with castings only, or mounted complete with common or American Russia Iron body. Plain or nickeled base, nickeled foot rail, nickeled top band, ash-pan, or nickeled swing cover when ordered.

MT. PENN STOVE WORKS,
READING, PA.

Penn Pearl

Sliding Feed Door Centre-discharge Grate

A Surface Burner with Full Revertible Flue



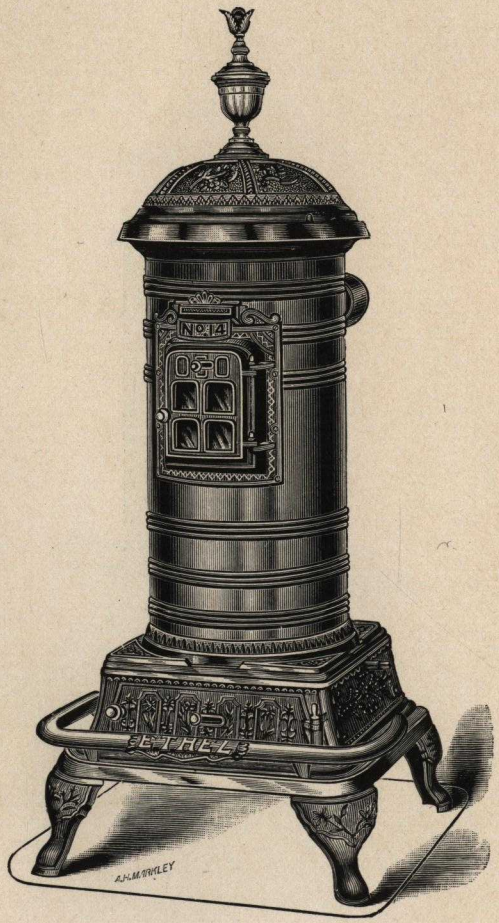
No. 310,	Diameter of Body,		10 in.	Height from Floor to Base of Urn,				46 in.
311,	"	"	11 "	"	"	"	"	48 "
312,	"	"	12 "	"	"	"	"	49½ "
314,	"	"	14 "	"	"	"	"	51 "
316,	"	"	16 "	"	"	"	"	52 "

Shipped regularly with nickel base and feet, 2 nickel foot rails, name plate, shaker and top ring. Can be furnished castings only, or mounted complete with American Russia Iron body. Ash-pan and nickeled swing cover when ordered.

MT. PENN STOVE WORKS,
READING, PA.

Ethel

Dumping-and-shaking Grate



With perforated sliding top. Supplied with spun urn and nickel foot rail, nickel base ring and nickel corner caps. Brick lining extends above feed door.

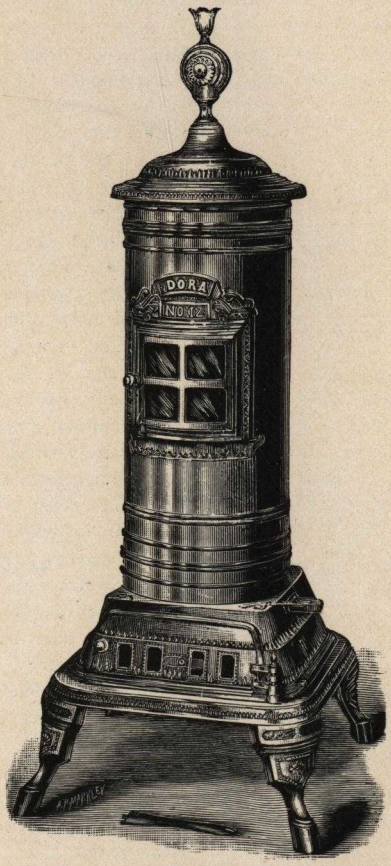
No. 112, Diameter of body, 12 inches
114, " " " 14 "

Size of smoke pipe collar, 5, 5½ or 6 inches in diameter.

MT. PENN STOVE WORKS,
READING, PA.

Dora

A Cheap Sheet Iron Cylinder Stove
Dumping-and-shaking Grate



No. 8,	Diameter of Body,			8	inches
9,	"	"	"	9	"
10,	"	"	"	10	"
11,	"	"	"	11	"
12,	"	"	"	12	"

Four sizes of smoke pipe collar, 4, 4½, 5 and 5½ inches in diameter.

MT. PENN STOVE WORKS,
READING, PA.

Obsolete Goods—Repairs Only

We have discontinued the manufacture of the following goods and no longer carry them in stock; but having the patterns, we are able to furnish repairs for any of them.

Albion, range, ... all sizes
Albion, cook, (old style), . . . "
Argus, globe, ... "
Argyle, double heater, ... "
Artist, parlor, ... "
Artist, double heater, ... "
Blaze, parlor, ... "
Dandy, sheet iron, ... "
Delight, range, ... "
Domestic, range, ... "
Eiffel, double heater, ... "
Essex, sheet iron, ... "
Emblem, parlor, ... "
Emblem, double heater, . . . "
Fales, parlor, ... "
Famous, cook, ... "
Guardian, range, ... "
Grange, range, ... "
Granite, double heater, ... "
Hot Spur, globe, ... "
Irvin, parlor, ... "
Itasca, range, ... "
Leyden, parlor, ... "
Lillie, sheet iron, ... "
Lulu, parlor, ... "
Medal, parlor, ... "
Majesty, range, ... "
Model, furnace, ... "
New Queen Esther, range, . . "
New Royal Esther, range, . . "
Norma, parlor, ... "
Norma, double heater, ... "
Olivet, range, ... "
Onoko, range, ... "
Oriental, range, ... "
Ornate range, ... "
Osceola, range, ... "
Palace, furnace, ... "
Panama, cook, ... "

Pansy, sheet iron, ... all sizes
Penn, globe, ... "
Penn Atlas, parlor, ... "
Penn Baron, double heater, Nos. 12, 13, 24, 26, 36, 39, 48, 52
Penn Carol, parlor, ... all sizes
Penn Chart, parlor, ... "
Penn Chief, range, ... "
Penn City, range, ... "
Penn Derby, double heater, . . "
Penn Diamond, d'ble htr., Nos. 12, 13, 14, 16
Penn Elmo, range, ... all sizes
Penn Fairy, parlor, ... "
Penn Fairy, double heater, . . "
Penn Franklin, d'ble htr., Nos. 240, 260
Penn Grand, parlor, ... all sizes
Penn Grand, double heater, . . "
Penn Hero, parlor, ... "
Penn Hope, parlor, ... "
Penn Item, range, ... "
Penn Jewel, fire-place, ... "
Penn Merit, parlor, ... "
Penn Pride, sheet iron, ... "
Penn Rose, parlor, ... "
Penn Rose, double heater, . . "
Penn Tropic, parlor, ... "
Penn Tropic, double heater, . . "
Queen Esther, range, ... "
Raven, range, ... "
Radiant, furnace, ... "
Real, parlor, ... "
Real, double heater, ... "
Ringgold, range, ... "
Robin, range, ... "
Royal, sheet iron, ... "
Royal Esther, range, ... "
Seivard, Egg, ... "
Spur, Globe, ... "
Standard, Egg, ... "

MT. PENN STOVE WORKS,
READING, PA.

Individual Names of Stoves

We have at times been called upon to furnish our stoves and ranges under individual names to suit our customer's conditions. In these cases our regular name for the range does not appear at all and the only means of identification in ordering repairs is the pattern mark on the castings which is often unfamiliar to many of our agents. For this reason we give below a list of the individual names and the means of identifying the stove.

Individual Name	Style of Stove	Listed Name of Stove
Astor Franklin	Fire-place	No. 14 Penn Franklin, D. H.
Beech Range	Range	Penn Glory
Blue Ribbon	Range	Penn Glory
Brunette	Range	Ringgold
Crown Cook	Cook	Albion Cook (old style)
Delmar Cook	Cook	Albion Cook (old style)
Dewey Triumph	Range	Penn Esther M-N-O-P
Export	Range	Ringgold
Famous	Fire-place	Penn Franklin
Favorita	Range	Ringgold
Flora	Sheet Iron	Dora
Garnet	Globe	Spur
Grange	Range	Albion Range
Hersh Cook	Cook	Albion Cook
Home Cook	Range	Penn Elmo A. B. C. D.
Home Pride	Parlor	Penn Rose
Homestead	Parlor	Penn Grand
Ideal Franklin	Fire-place	Penn Franklin, No. 28
Irvin	Parlor	Artist
Judge	Range	Robin
Leader	Furnace	Model
Macks Queen	Cook	Albion Cook
Magnum	Globe	Express
Mandeville Cook	Cook	Automatic Cook
New Complete	Range	Ringgold
Nina, No. 28	Fire-place	Penn Jewel, No. 14
Penn Mar	Parlor	Penn Grand
Penn Sara	Range	Penn Elmo A. B.
Ringle	Parlor	Artist
Rosebud	Parlor	Penn Rose
Sam	Fire-place	Penn Jewel, No. 14
Select	Range	Ornate
Star Diamond, Nos. 14, 15, 16, 18	Parlor	Penn Diamond, Nos 12, 13, 14, 16
Starlight, Nos. 12, 14	Parlor	Penn Rose, Nos. 22, 26
Starlight, Nos. 22, 24, 26	Parlor	Penn Chart
Steinman Cook,	Cook	Albion Cook
Talbot	Parlor	Penn Opal
Tropic	Furnace	Radiant
Tubular	Furnace	Model
Viola	Parlor	Artist
Warwick	Parlor	Penn Baron, Atlas, Carol, Derby
Wm. Penn	Cook	Albion Cook

Furnaces

On the following pages is shown a very complete line of Portable Cellar Furnaces, suitable for almost every conceivable condition of house heating. Three distinct styles of construction are shown.

The PENN PERFECT is of the very latest type known to furnace makers, embodies all the best features, and is the result of many years of experience in this business. It is made in a variety of styles to suit varying conditions and tastes, and in seven sizes—giving an assortment to choose from which is unusual. From a modest dwelling house to a pretentious mansion; from a small store or office to a large hall or church, the Penn Perfect furnishes a line of sizes to select from which is not excelled anywhere.

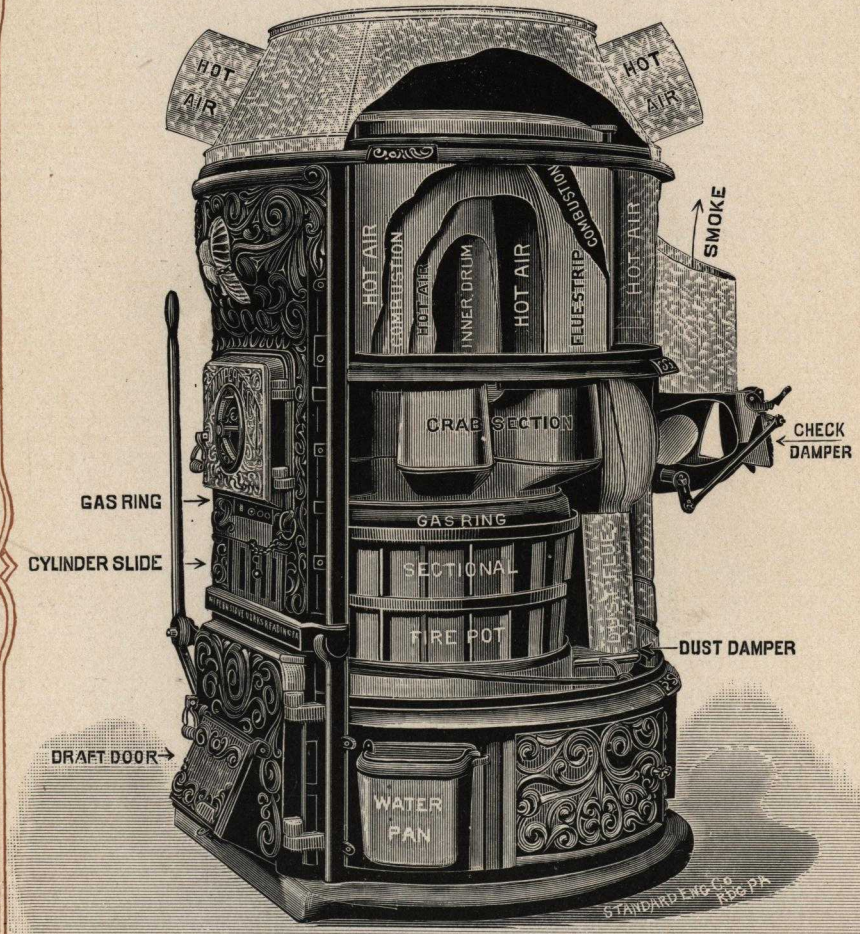
A few years ago it was not considered feasible (on account of the cost) to install a cellar furnace in the smaller and cheaper grade of houses. The PENN COMFORT FURNACE is made especially for this class of buildings, and the man of moderate means can now afford to heat his home with a furnace—and heat it comfortably and economically—as well as his wealthy neighbor. The Penn Comfort is very low in price, but its heating capacity and general utility are not sacrificed to this end, as many hundreds of householders can testify.

Penn Perfect Furnace

MT. PENN STOVE WORKS,
READING, PA.

Penn Perfect Hot-air Furnace

With Sheet Steel Drum



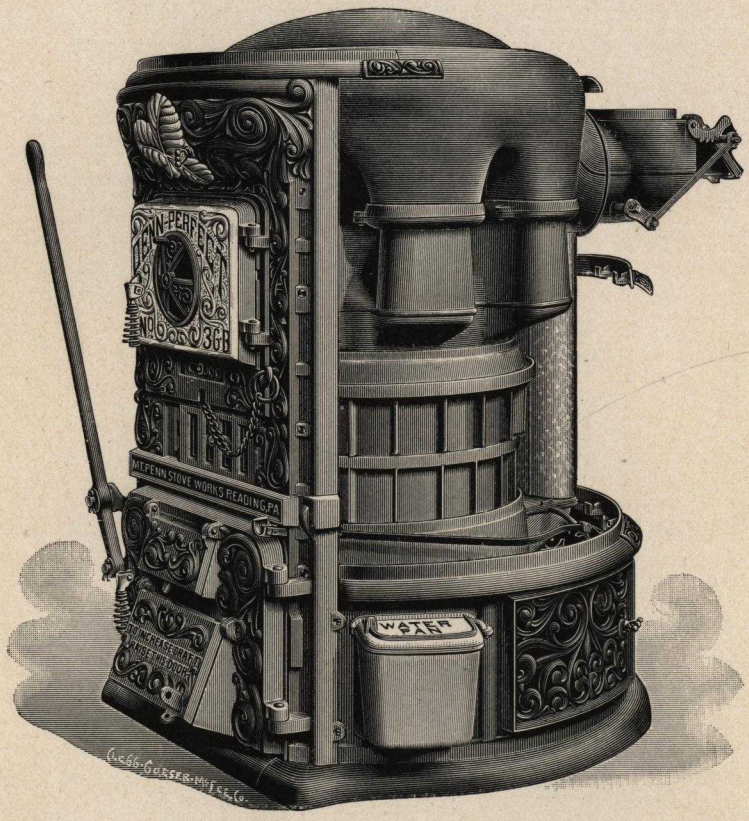
The drum is in three parts, being constructed of heavy sheet steel in conjunction with cast iron drum heads and rings. The flue-strips are particularly large and curved. A jog is placed below the drum with outlet through lower casing instead of upper (as is usual on ordinary furnaces). By means of the large rounded flue-strips and this jog an indirect draft with revertible flue effect is produced, giving the furnace an increased heating power with a decreased consumption of fuel.

Brick lined fire-pot sizes, 32, 36, 40, 44, 48, 54

MT. PENN STOVE WORKS,
READING, PA.

l'enn Perfect Hot-air Furnace

With Cast Iron Radiator



The Cast Iron Radiator is of an improved self-cleaning construction, very heavy and durable and very effective as a heater. Its height has been kept as low as possible without impairing its capacity, the object being to increase its effectiveness in shallow cellars by allowing the heat pipes the greatest possible incline. It is suitable for any kind of coal, but has particular advantages for the use of bituminous or soft coal, and the cast iron radiator construction is largely used in regions where soft coal is the prevailing fuel. The choice of grates adds to this advantage, and the opportunity of using fire-brick lining to the fire-pot, if desired, still further increases its selling qualities.

Brick lined fire-pot sizes, 32, 36, 40, 44, 48, 54

MT. PENN STOVE WORKS,
READING, PA.

Penn Perfect Furnace

Cast Iron Crab Construction,
Mounted with Heavy Sheet Steel Drums
or with Cast Iron Radiator.

Full Length Cast Iron Front,
Highly Ornamented and Trimmed with Nickel.

Large Ash-pit—Dust- and Gas-proof.
Sectional Fire-pot,
(All Cast Iron or with Fire-brick Lining, if preferred.)

Two most excellent Styles of Grate to select from.
Automatic Check Draft Damper.
Gas Burner. Large Vapor-pan.

Made in Seven Sizes. Economical in Fuel.
Great Heating Power. Heavy and Durable.
Easy to Case. Easy to Control. Easy to Repair.

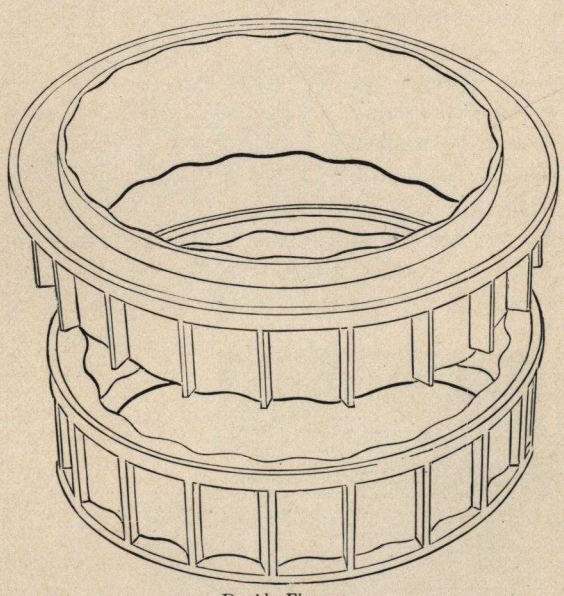
Not an Experiment. Hundreds in Use.

MT. PENN STOVE WORKS,
READING, PA.

Penn Perfect Furnace

Some Features

The fire-pot is one of the special advantages of this furnace. It is made in two sections, with heavy ribs extending outward from all sides, making it very strong, increasing the heating capacity and also lessening cost of repairing. The inside of fire-pot is nearly vertical. This is a desirable feature and affords the best possible results as to radiation. The joints are made to allow for expansion and contraction without straining furnace, and should be set in sand with a small amount of stove cement at bottom of grooves. Fire-brick lining for the fire-pot can be furnished if desired.



Double Fire-pot

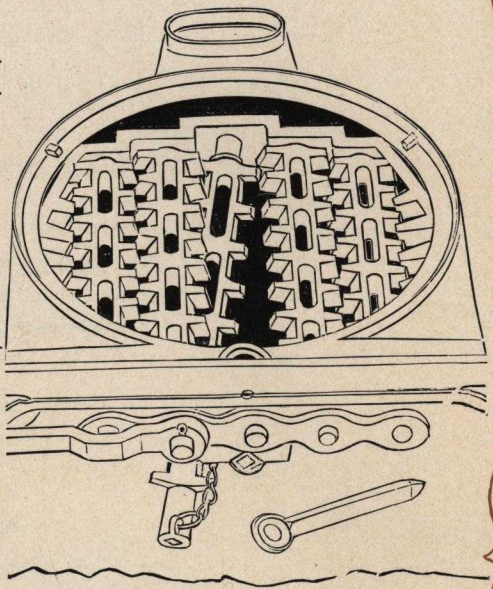
The ash-pit is extraordinarily large, deep and dust-proof.

The crab is a heavy casting with five arms, so constructed that the upper part lies close to the fire, thus insuring every possible advantage in obtaining the best radiation.

MT. PENN STOVE WORKS,
READING, PA.

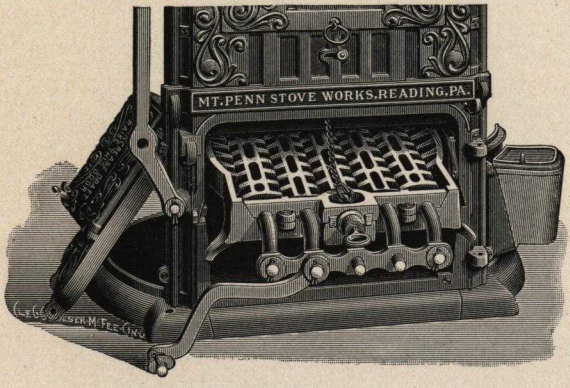
The Perfect Grate

For Penn Perfect Furnace



Perfect Clinker-grinding Grate.

We give the choice of two most excellent styles of grate. The PERFECT GRATE is a rocking, clinker-grinding grate; is simple in construction, durable, easy to operate, and easy to repair. It is composed of five separate heavy bars operated by a vertical lever, and in case of burning out, any or all of the bars can be easily replaced. The centre-bar is so arranged that it can be dropped by removing pin and loosening chain on front of furnace. By these means the entire contents of fire-pot may be dropped into the ash-pit, or as much as is necessary to properly clean the fire. To replace centre-bar, draw chain, insert pin, and the grate is ready for use. The grate and grate-rests can be removed entire by drawing through opening of the ash-pit, without disturbing any other parts of the furnace or removal of any bolts. This grate has been in use in our furnace for a number of years, has given very general satisfaction, and has proven durable as well as effective.



Showing Grate drawn out.

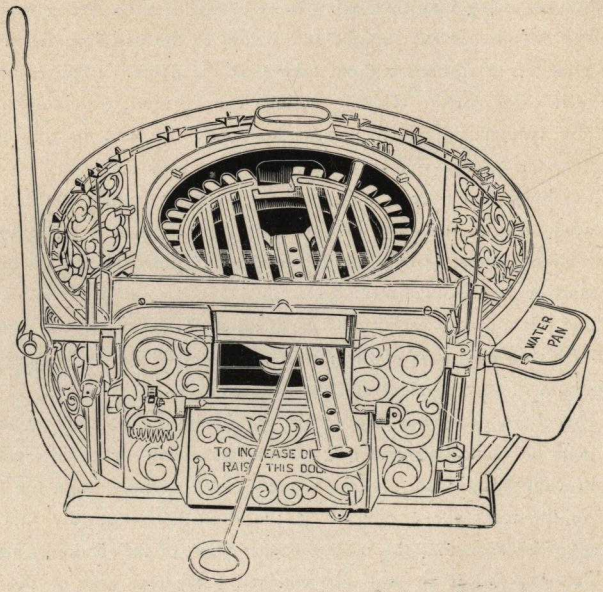
Grate has been improved so as to admit use of poker over entire surface.

MT. PENN STOVE WORKS,
READING, PA.

Draw-centre Grate

For Penn Perfect Furnace

We can also furnish the Penn Perfect with the Shaking Draw-centre Grate, which is a well known and much favored form of construction. The Draw-centre Grate, like the Perfect Grate, can be removed from the Penn Perfect Furnace by drawing it through opening of ash-pit without disturbing any other parts of furnace or removal of any bolts. Especially desirable where the occasional use of a poker is preferred.



Improved Draw-centre or Centre-discharge Grate.

The Gas Burner, which is a feature of this furnace, is placed directly on top of the fire-pot, extending around it. This burner is fed by the oxygen in the atmosphere carried from the small register under the feeder-door, igniting the gases in the fire-pot, and thus using for heating purposes these gases which would otherwise be unconsumed and go to waste. A very great saving in fuel is the result of this device.

Penn Perfect Furnace

The Base is circular, and is made either with solid cast iron panels, or with cast iron open screen work panels, or with the galvanized casings extending to the bottom. When it is desired to take the cold air supply for the furnace direct from the cellar or the apartment in which the furnace stands, then the cast iron screen panels are generally used. When the cold air supply comes from out of doors by means of a cold air chute (which is by far the better way), then either the solid cast iron panels or the galvanized iron base casing may be used.

The casings are cut straight and bolted to the cast iron front. They can be removed in sections without taking off the dome. (The casing rings are made in three parts). Double casings can be used, extending from the top to the bottom, by which means the escape of heat in the cellar is lessened, and a greater volume carried into the rooms above.

The expansion plate is an extremely important feature of this furnace. It is placed between the drum and the front. This plate is so arranged as to allow for expansion of cylinder and crab, and prevents any displacement of the front or casings.

The joints are so constructed as to allow for expansion and contraction without straining any parts of the furnace, and should be set in sand with a small amount of stove cement at bottom of grooves.

The check damper is attached to the smoke outlet, and is so arranged that it can be controlled either by ratchet movement or chain attachment, which in connection with the draft door can be operated from the front of furnace or the room above, controlling the draft perfectly. By this device it can easily be seen that the useless consumption of fuel is done away with.

The dust flue is an oval tube connecting the rear end of the ash-pit with the bottom of smoke outlet. It is so arranged that when raking the fire or removing ashes all dust is carried through the smoke outlet, preventing the escape of dust into the hot-air chamber, and freeing the rooms above from all dust and dirt. The dust flue damper can be used as a check draft for controlling the fire.

The cylinder slide (which is directly over the ash-pit door) aids largely in preserving the cylinder or fire-pot by letting a current of cold air strike it, preventing in a great measure warping and burning out.

Penn Perfect Furnace

The Penn Perfect is made in several different styles of construction:

It is made as a hot-air furnace with sheet steel drum.

It is made as a hot-air furnace with cast iron radiator.

It is made as a combination hot-air and hot-water furnace.

Each of the above styles is made with two kinds of grate, a rocking clinker-grinding grate (which we call the Perfect grate), and a shaking draw-centre grate.

To make it simple and easy for the dealer to designate the style of furnace and the style of grate wanted, we have numbered and lettered the Penn Perfect as follows:

Penn Perfect Hot-air, Sheet Steel Drum, Perfect Grate	No. 128	No. 132	No. 136	No. 140	No. 144	No. 148	No. 154
Penn Perfect Hot-air, Sheet Steel Drum, Draw-centre Grate	No. 28A	No. 32A	No. 36A	No. 40A	No. 44A	No. 48A	No. 54A
Penn Perfect Hot-air, Cast Iron Radiator, Perfect Grate		No. 132-B	No. 136-B	No. 140-B	No. 144-B	No. 148-B	
Penn Perfect Hot-air, Cast Iron Radiator, Draw-centre Grate		No. 32C	No. 36C	No. 40C	No. 44C	No. 48C	
Penn Perfect Combination, Perfect Grate			No. 136-D	No. 140-D		No. 148-D	
Penn Perfect Combination, Draw-centre Grate			No. 36E	No. 40E		No. 48E	

By using the proper numbers and letters in ordering it will prevent mistakes.

If fire-brick lining is desired, it must be so stated in order; otherwise we will ship all cast iron fire-pots.

Penn Perfect Combination Hot-water and Hot-air Furnace

With Sheet Steel Drum

Made in Three Sizes

Nos. 36, 40 and 48. The numbers represent the diameters of the casings in inches.

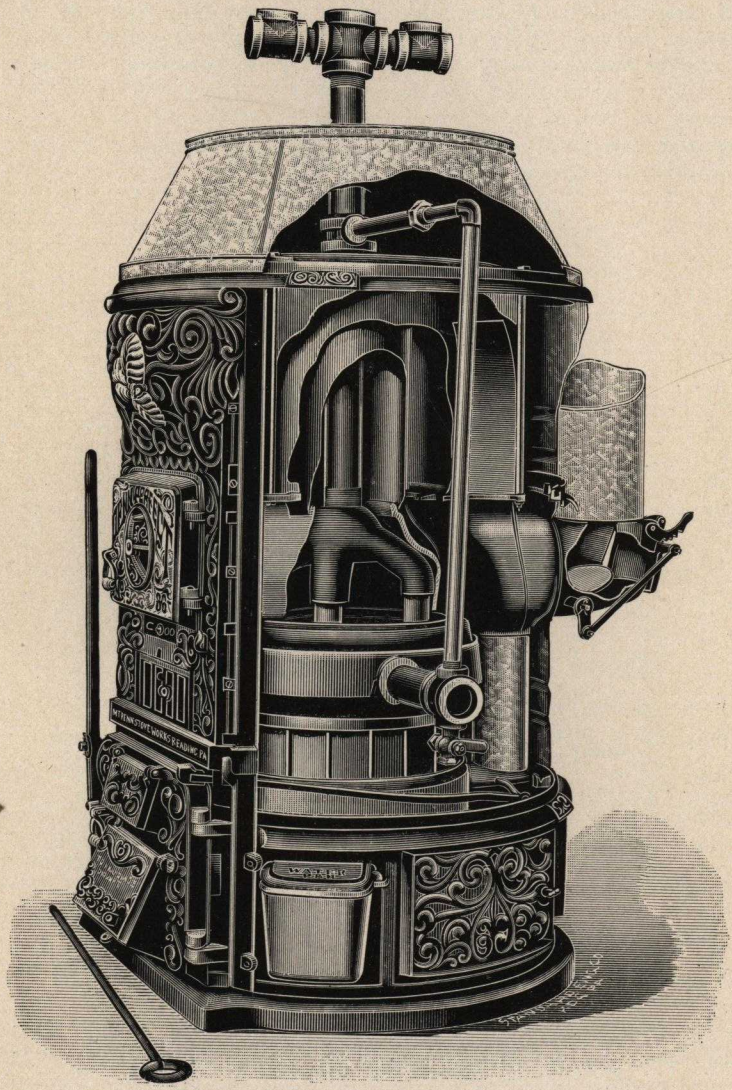
With Perfect Grate is called PENN PERFECT "D."
With Draw-centre Grate is called PENN PERFECT "E."
Both Grates are same price.

It is not always possible to carry hot air in pipes a sufficient distance to meet all the requirements of house heating. To meet these conditions we have constructed the Penn Perfect Combination Hot-water and Hot-air Furnace. The main portions of a building within reasonable distance of the furnace may be heated with hot air, and the more remote rooms supplied with radiators and satisfactorily heated with hot water. We want to call attention to one feature of our construction. Any one desiring to put in a hot-air furnace for immediate use with the idea of adding hot-water at some future time, can put in a Penn Perfect Steel Drum Hot-air Furnace and afterwards at slight expense add the necessary parts to convert it into a Combination Furnace. This may be worth your consideration.

Our Combination Furnace is made from the Sheet Steel Hot-air Furnace by replacing the upper section of the fire-pot with a hollow water-jacket. This jacket surrounds the fire, and, coming in direct contact with the hot coal, gets the full benefit of the radiated heat on all sides. To this water-jacket is connected a three-arm cast iron crab or water-dome, which is directly over the fire, and being at the hottest point of the combustion chamber is subject to an intense heat, without in any way interfering with the draft or the production and radiation of the hot air through the sections of the hot-air drum.

The hot-air capacity is not sacrificed to the hot-water feature. The heat-drum is similar to the sheet steel hot-air furnace. Some furnaces of this type are defective in that they supply a reasonable amount of hot air but not enough hot water, or vice versa. Our aim has been to make a Combination Furnace which would produce enough hot air for the heat flues and enough hot water for the radiators.

Penn Perfect Combination Hot-water and Hot-air Furnace



MT. PENN STOVE WORKS,
READING, PA.

Penn Perfect Furnace

Capacities

It is impossible to give the accurate capacity of any furnace which will cover all cases. Differences in climates, exposures and construction of buildings, fuel used, setting of furnace and piping, supply of cold air—all go to regulate the size of furnace required in a given case. The best information on this subject must come from a good, reliable furnace dealer who can examine the building to be heated and take into consideration all the prevailing conditions. To assist in selecting the proper size we give here the approximate capacities of the different sizes.

Penn Perfect Hot-air Furnace

With Sheet Steel Drum or Cast Iron Radiator.

Sizes Inches	Capacity in Cubic Feet when divided into separate rooms, as in a dwelling	Capacity in Cubic Feet when undivided, as in a church or hall
28	7,000 to 10,000	9,000 to 13,000
32	9,000 to 15,000	12,000 to 20,000
36	14,000 to 20,000	18,000 to 26,000
40	19,000 to 28,000	25,000 to 37,000
44	25,000 to 35,000	35,000 to 46,000
48	35,000 to 50,000	45,000 to 66,000
54	50,000 to 75,000	65,000 to 100,000

Penn Perfect Combination Furnace

Sizes Inches	Approximate Capacity in Cubic Feet by Hot Air	Approximate Capacity in Cubic Feet by Hot Water	Approximate Total Capacity
36	15,000	15,000	30,000
40	25,000	25,000	50,000
48	45,000	45,000	90,000

We would always prefer to lose the sale of a furnace rather than recommend too small a size and have the job prove unsatisfactory to the purchaser when completed.

If possible, always take the cold air supply from the outside in preference to taking it from the cellar. This invariably gives the more satisfactory results.

MT. PENN STOVE WORKS,
READING, PA.

Dimensions of Parts

In Inches

Penn Perfect Hot-air Furnace—With Sheet Steel Drum

Size of Furnace, . .	28 inch	32 inch	36 inch	40 inch	44 inch	48 inch	54 inch
Diameter of Casings,	28	32	36	40	44	48	54
Upper Diam. Fire-pot,	14	16	18	20	23	24	27
Lower Diam. Fire-pot,	13	15	17	19	21	22½	25½
Depth of Fire-pot, . .	12½	12½	13½	14	14	14½	15
Diameter of Grate, . .	14½	16½	18	21	22	23	28
Diameter of Bottom, .	31½	35½	39½	43½	47½	52½	58
Hgt. to top of Drum, .	53½	53½	56½	57	57	60½	62
*Hgt. of Furn. comp.,	63	63	67	67	69	69	72
Base Casing when cast base is not used, . .	59×11¾	72×11¾	76½×12	89×12	101½×12	105½×12	125½×12
Middle Casing, . . .	68¾×24	82×24	88½×24	102×24	114½×24	119×26	139×26
Upper Casing, ...	68¾×11¾	82×11¾	88½×15⅜	102×15½	114½×15½	119×17½	139×17¾
*Flange of Dome, . .	87¾×2	100¼×2	112½×2	124¾×2	137¼×2	150¾×2	170×2
*Conical Dome, . . .	87¾×12	100¼×12	112½×14	124¾×14	137¼×14	150¾×14	170×14
Inside Casing, ...	64¼×24	76×24	83×24	96×24	106×24	113×26	133×26
Diam. Smoke Collar, .	7	7	8	8	8	9	9
Weight of Castings Mounted (with cast base), ...	580 lbs.	680 lbs.	970 lbs.	1075 lbs.	1195 lbs.	1850 lbs.	2275 lbs.
Weight of Castings Mounted (without cast base, ...	550 lbs.	640 lbs.	920 lbs.	1025 lbs.	1140 lbs.	1785 lbs.	2200 lbs.

Penn Perfect Hot-air Furnace—With Cast Iron Radiator

Size of Furnace, ...	32 inch	36 inch	40 inch	44 inch	48 inch
Diameter of Casings, ...	32	36	40	44	48
Upper Diameter of Fire-pot, ...	16	18	20	23	24
Lower Diameter of Fire-pot, ...	15	17	19	21	22½
Depth of Fire-pot, ...	12½	13½	14	14	14½
Diameter of Grate, ...	16½	18	21	22	23
Diameter of Bottom, ...	35½	39½	43½	47½	52½
Height to top of Radiator, ...	49½	53½	54½	54½	59
*Height of Furnace complete, ...	58	62	62	64	64
Base Casings (when cast base is not used,) .	72×11¾	76½×12	89×12	101½×12	105½×12
Middle Casing, ...	82×16½	88½×18	102×18	114½×18	119×18
Upper Casing, ...	82×14¼	88½×15	102×15	114½×15	119×15
*Flange of Dome, ...	100¼×2	112½×2	124¾×2	137¼× 2	150¾×2
*Conical Dome, ...	100¼×12	112½×14	124¾×14	137¼×14	150¾×14
Inside Casing or Fender, ...	74×16½	83×18	96×18	106×18	113×20
Diameter Smoke Collar, ...	7	8	8	8	9
Weight of Castings Mounted, (with cast base,)	745 lbs.	1035 lbs.	1155 lbs.	1350 lbs.	1950 lbs.
Weight of Castings Mounted (without cast base,)	705 lbs.	985 lbs.	1105 lbs.	1295 lbs.	1890 lbs.

*The height of the cased furnace complete may be varied within reasonable limits to suit the cellar by increasing or decreasing the height of the flange on which the dome sets, and the height of the dome itself; or the conical dome may be dispensed with and the heat pipes taken off a flat top.

The above measurements of casings do not include laps.

The inside casing or fender may be extended all the way up. We give above only the sheet surrounding fire-pot.

When the cast base is used it takes the place of the base casing given above.

MT. PENN STOVE WORKS,
READING, PA.

The Penn Comfort

A cheap furnace in three sizes, with all the modern improvements, including cast-iron front, cast-elbow, cone-shaped fire-pot, heavy steel drum and improved centre-discharge grate with vertical lever attachment.

MT. PENN STOVE WORKS,
READING, PA.

Penn Comfort Hot-air Furnace

There is an increasing demand for a good hot-air furnace at a low price, and we have made the Penn Comfort to meet that demand. While very cheap in price, it is a strong heater, and is to-day giving entire satisfaction in hundreds of homes throughout the land. The construction is simple but very effective, and the materials used are the best, making it a durable as well as a strong heater. We are selling large numbers of these furnaces for small and medium-sized dwellings, stores and offices, and no house need be without the comforts of a cellar furnace while the Penn Comfort is on the market at its present price. In mounting and casing it we use the same care and skill that is applied to our higher-priced goods, and it is unquestionably the best hot-air furnace for the money.

The Drum is of heavy sheet steel, tightly fitted and absolutely gas-proof.

The Cast Iron Radiator is cast in one piece, with four arms radiating to the outer edge of the drum, and, being immediately above the fire, gets the full benefit of an intense heat. The air ascending from around the fire-pot circulates through this radiator and reaches the hot-air pipes in a highly heated condition.

The Fire-pot is cone-shaped and self-cleaning.

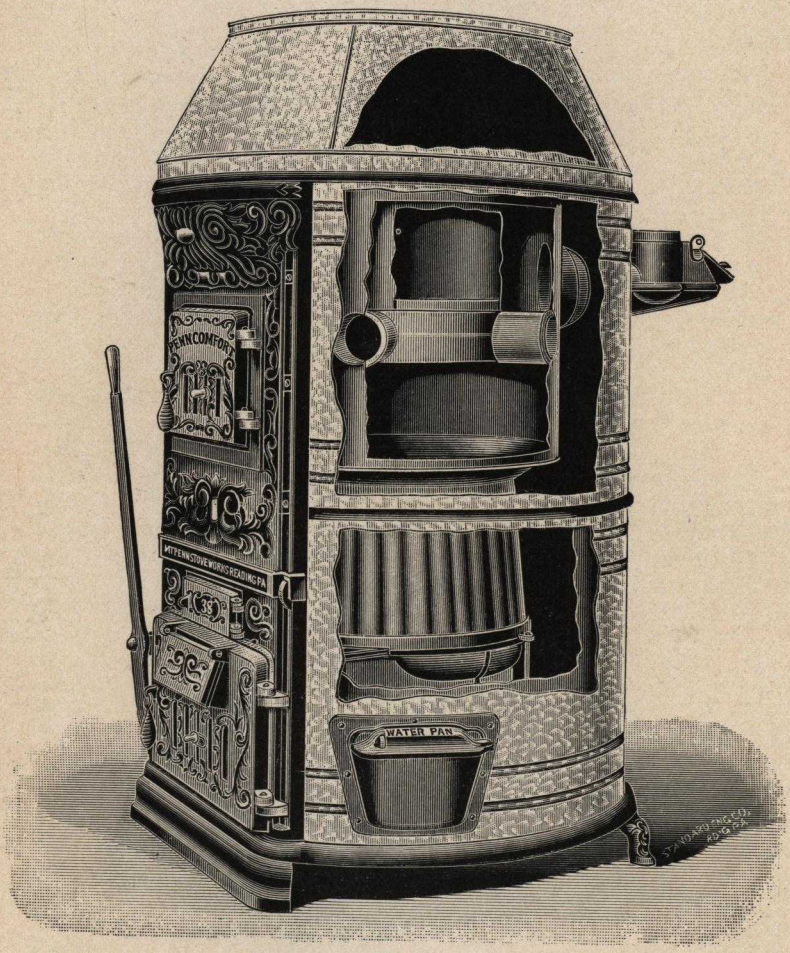
The Grate is of the improved centre-discharge pattern with vertical lever attachment.

Size of Furnace,	No. 30	No. 34	No. 38
Diameter of Upper Casing,	30	34	38
Diameter of Lower Casing,	30	34	38
Upper Diameter of Fire-pot,	14½	16½	18½
Lower Diameter of Fire-pot,	16	18½	20½
Depth of Fire-pot,	13½	14	14½
Diameter of Grate,	14½	16½	18½
Diameter of Bottom,	31½	35½	39½
Height to Top of Drum,	49	50	52
*Height of Furnace Complete,	62	64	64
Lower Casing,	73×24	87×24	94½×24
Upper Casing,	73×22¼	87×22¼	94½×24
*Flange of Dome,	94×2	112¼×2	125×2
*Conical Dome,	94×10	112¼×12	125×12
Inside Casing or Fender,	83×24	89½×24	103¾×24
Diameter of Smoke Collar,	7	7	7
Weight of Castings with Drums Mounted,	351 lbs.	440 lbs.	469 lbs.

*The height of the furnace may be made to suit the position in which it is to be placed, height of cellar, etc , by increasing or decreasing the flange of the dome and the dome itself. The above measurements of casings do not include laps.

MT. PENN STOVE WORKS,
READING, PA.

Penn Comfort



APPROXIMATE CAPACITIES

No.	Capacity in cubic feet when divided as in a dwelling	Capacity in cubic feet when undivided as in a church or hall
30	7,000 to 10,000	9,000 to 13,000
34	8,000 to 13,000	12,000 to 18,000
38	12,000 to 18,000	16,000 to 25,000

The above capacities are varied by climate, exposure and situation of buildings. When practicable, always take cold air from outside. This method (proven by general experience) produces the most satisfactory results in hot-air heating.

MT. PENN STOVE WORKS,
READING, PA.

Some Simple but Important Points

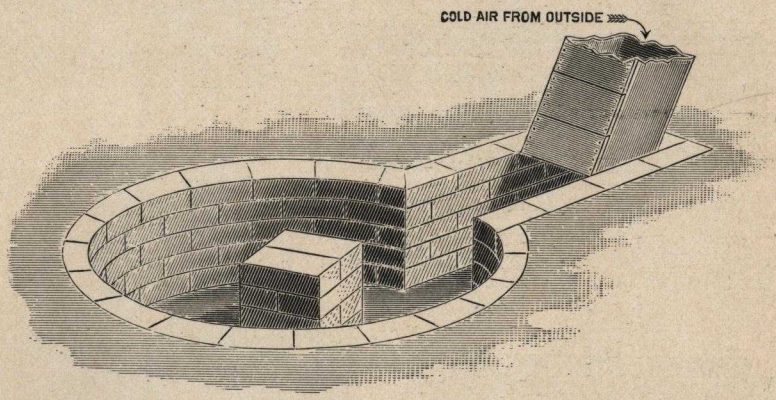
To be observed in taking a furnace contract

Size Required

Compute the cubic contents of the building, taking the length, breadth and height of the rooms and the halls and entries. Buildings with high ceilings are harder to heat than buildings with low ceilings of the same cubic contents. The exposure of a building, the materials of its construction and its condition of repair—even the number of its windows and outside doors—all play an important part, and should be noted. An immense amount of trouble and dissatisfaction has been created by putting in too small a furnace just to save first cost or to meet some unfair competition.

Location

Place the furnace as near as possible under the centre of the building to be heated—favoring, however, the coldest portion of it. Currents of hot air inside the building are always carried in the same direction as the currents of cold air outside the building.



Cold-air Supply

To gain satisfactory results in hot-air furnace heating, a liberal supply of pure cold air must be used. This is obtained by means of a cold-air duct running from outside to a pit under the furnace. The cold-air duct or box should have a capacity equal to three-fourths of the total capacity of the heat pipes leading away from furnace. The duct should have a damper for regulating the supply of cold air. The pit into which duct leads should be circular, 12 or 15 inches deep and brick-lined, having a brick pillar in centre to help support weight of furnace. It is advisable to take cold air from north or west side of building if possible, because of the prevailing wind in cold weather.

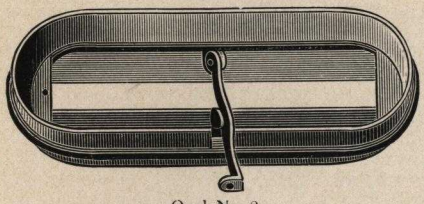
Hot-air Pipes

As much as possible, avoid long pipes from the furnace. Avoid sharp angles. Never taper the heat pipe. Give the pipes leading from furnace as much elevation as possible—never less than one foot rise in ten feet of pipe—more if possible. Do not expect to successfully carry heated air through long and horizontal pipes.

Cover Pipes

It is an excellent plan to cover heat pipes with asbestos paper or some other non-conducting material. It will largely prevent radiation of heat in the cellar and increase the efficiency of the furnace. The success of a furnace job depends as much on the proper putting up as on the furnace itself.

Cast Iron Dampers—For Heating Flues

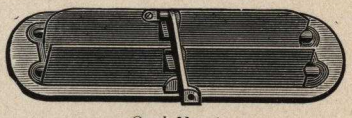


Oval No. 2

3×9 in., 4×9 in., 3¾×11½ in.,
4×12 in., 4×14 in.

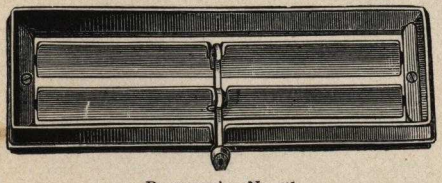
OVAL No. 5 (Similar to No. 2)

3×9 in., (1 slat)



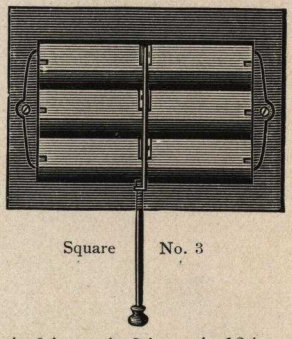
Oval No. 1

4×10 in., 4×12 in.



Rectangular No. 2½

3 ×10 in. (1 slat), 3×10 in. (2 slats)
3½×12 in. (1 slat), 4×12 in. (2 slats)

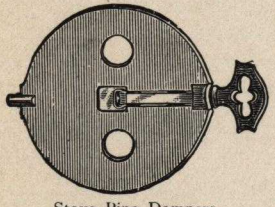


Square No. 3

4×6 in., 4×9 in., 4×12 in.,
6×9 in., 6×12 in.,
8×8 in., 9× 9 in.

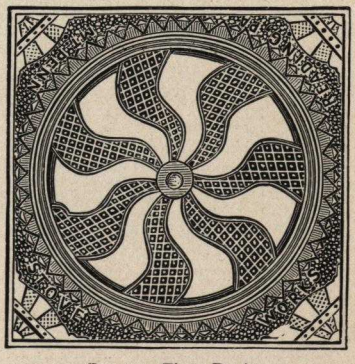
Square No. 4

2¾×9 in., 3½×10 in., 3¾×11¾ in.,
4×12 in.



Stove Pipe Dampers

4 in., 4½ in., 5 in., 5½ in., 6 in.



Common Floor Register

7 in., 8 in., 10 in., 12 in.

RANGE AND COOK STOVE REGISTER

For utilizing heat from kitchen stove. 10 inches in diameter, with circle in centre for stove pipe, 5 inches in diameter.

Ware

SPIDERS

Mt. Penn Polished, Mt. Penn Plain, Common (extra large), and Mt. Penn Nickel-plated

Nos. 6, 7, 8, 9, 10, 11 and 12

TEA KETTLES

With Sliding Lid Flat Bottom and Sunk Bottom. Common Galvanized and Nickel-plated.

Nos. 6, 7, 8 and 9

STRAIGHT KETTLES—Plain or Galvanized

Nos. 6, 7, 8 and 9

FLAT BOTTOM POTS

Plain, Enameled and Tin-lined, 2 to 8 quarts

LONG PANS

Nos, 6, 7, 8 and 9

BULGE POTS

Plain or Galvanized

Nos. 6, 7, 8 and 9

ROUND CAKE GRIDDLES

(With Handles)

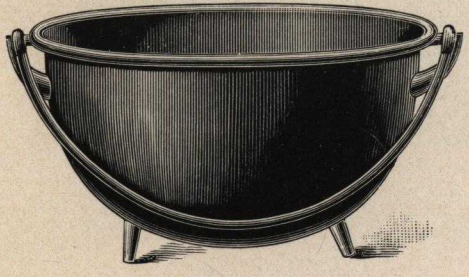
Nos. 7, 8, 9 and 10, prices by the pound

GRIDIRONS

Nos. 6, 7, 8 and 9

WAFFLE IRONS

Nos. 6 and 7, 7 and 8, 8 and 9



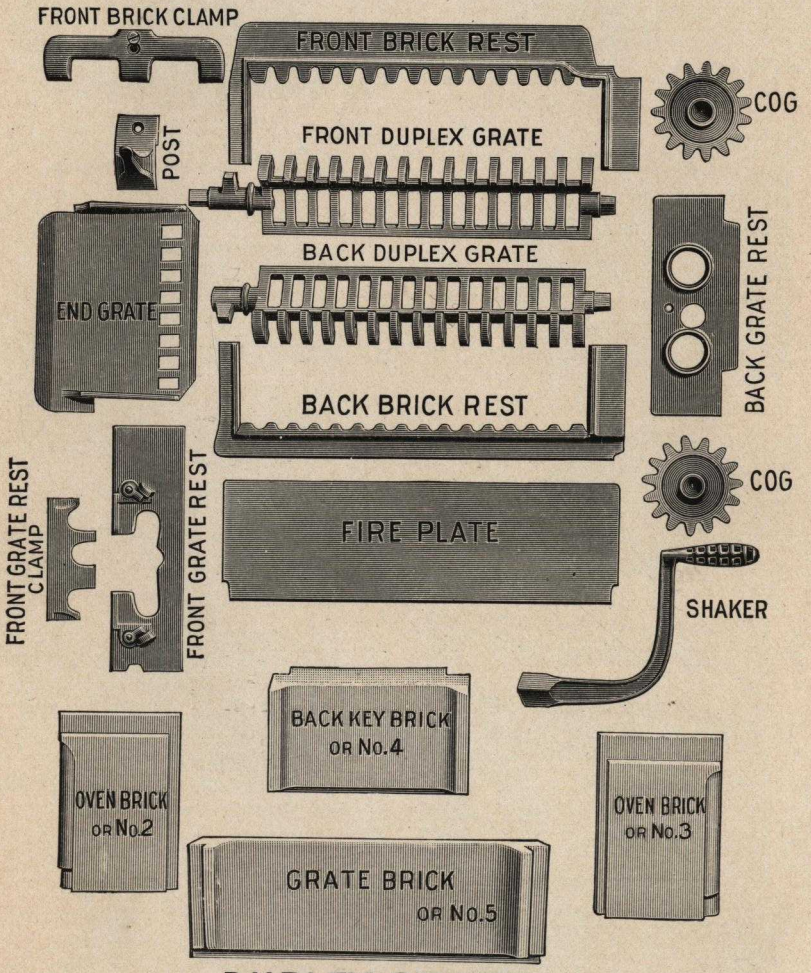
FARMERS' KETTLES

IMPROVED PATTERN

With or Without Bail. Sent with bail unless otherwise distinctly ordered.

16, 20, 25 and 30 gallons

Repairs for Ranges



DUPLEX GRATE

For the Penn Esther Range

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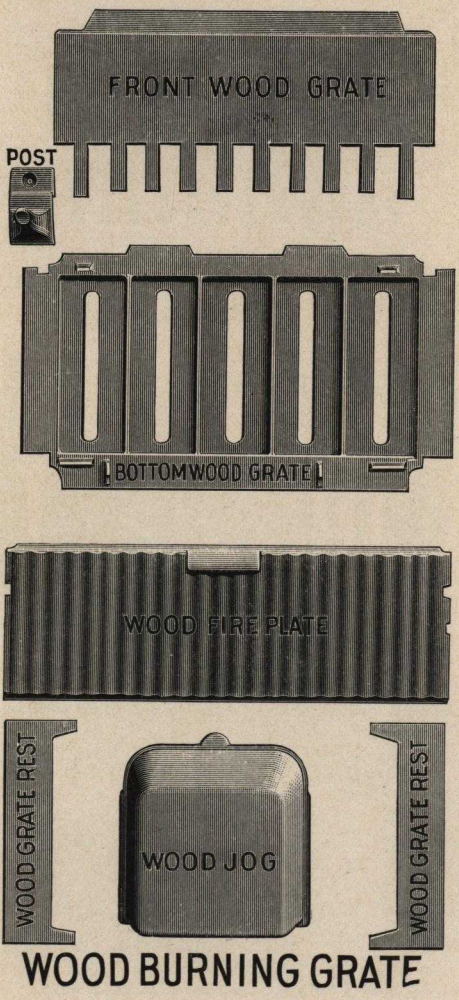
READING, PA.

Repairs for Ranges



WOOD BURNING GRATE

For the Penn Esther Range

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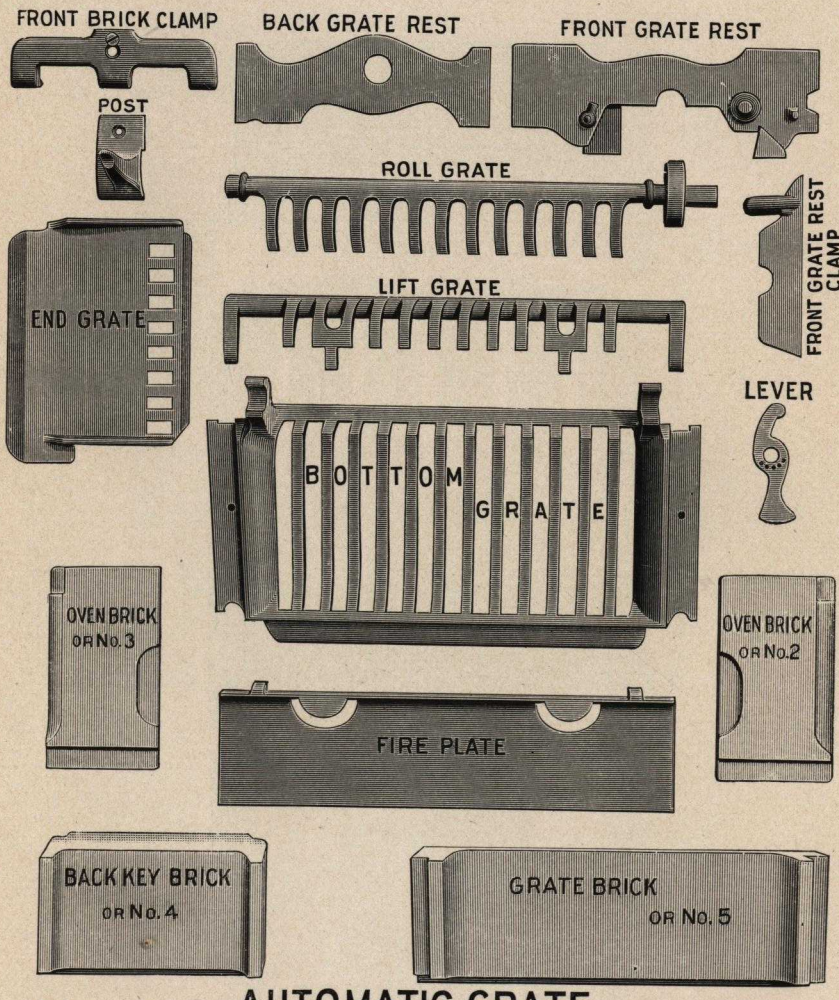
READING, PA.

Repairs for Ranges



AUTOMATIC GRATE

For the Penn Esther Range

MT. PENN STOVE WORKS,
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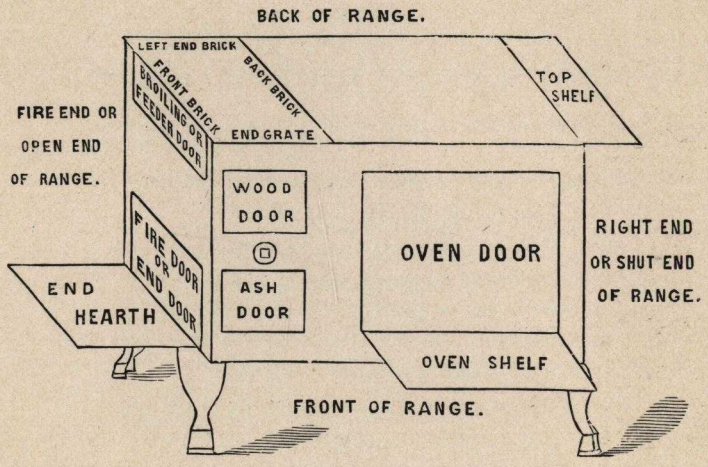

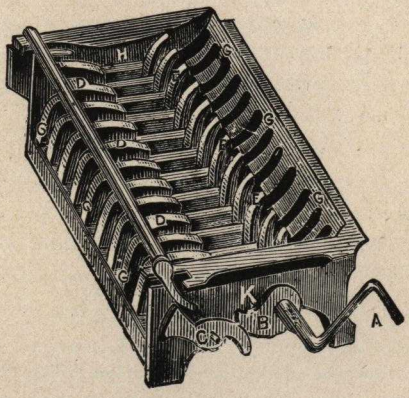

A, Shaker or crank
B, Cam
C, Lever
D, D, D, Lift grate
E, E, E, Roller grate
G, G, G, G, G, G, Main or bottom grate
H, Left end grate rest
K, Right end grate rest

The small, almost square grate (not shown in cut), fitting in right hand end of fire-box above right end grate rests K, we call the end grate.

Also, in ordering repairs, please state particularly the full number and letter (if any) on the top or front of the cook stove or range. Attention to these suggestions will save many annoying delays and much useless expense.

Directions for Operating Stoves

To secure good operation in cook stoves and ranges, see:

1st. That the flue stopper is in its place.

2d. That the chimney is clear, and has a good draft at pipe hole. Many chimneys are made too low and draw better when a "smoke stack" is put on them.

3d. That the pipe fits closely on the stove and in the chimney. No air should go outside of the pipe.

4th. That the pipe does not go too far in the chimney.

5th. That no ashes from chimney get into the end of the pipe.

6th. That there are no pipe holes open on the opposite side of the chimney, either above or below, and that there is no unused stove with draft slide open, leading into the same chimney.

7th. Avoid having the pipe telescope at the elbow. If you have all these parts properly adjusted and well arranged, open the direct draft damper and see if you can get a good fire in the stove, together with a strong draft. If the stove will not burn well then, the trouble is not in the stove, but above it.

If the fire burns well with the above direct draft, close the oven damper; then if it will not heat the oven and bake well, please examine the flues and damper, and see:

(a.) That all the flues are open and clear, so that smoke can freely pass through them. In cleaning flues, many do not clean all the flues, and frequently push soot and ashes into back corners, and in that way stop them up.

(b.) Examine all the dampers in the flues and see that they open and close tightly, and do not get out of place.

(c.) Be sure that you know how they operate so they may not be open when you think they are closed.

If you are trying a stove and have everything in good order, as heretofore described, it cannot possibly fail in operation if you close the direct draft damper and throw all the heat around the oven. Time should be given to get the oven hot before trying to bake.

About Chimneys

We illustrate a few of the causes why the stove is condemned, when the fault is solely in the chimney.

A. Constructing a chimney by extending the flue downward to the floor, and in many cases into the cellar, creates a place for the accumulation of soot, ashes, etc., so as to save the expense of cleaning the flue; then the cold air below the pipe hole chills the entire column of air in the chimney; it is therefore heavy, and impedes the ascent of the smoke. The remedy is to either fill the flue with cement to within six inches below the pipe hole, or cut off the flue with a sheet iron plate, the plate to be covered with several inches of cement so as to make it air-tight. The result will be to apply the heat at the base of the flue, and a good draft obtained.

B. Often complaints are made that the stove will not operate, although the pipe was carefully fitted into a chimney that has a good draft, and which has been in use for many years. Investigation proves that the stove is attached to a chimney whose base contains a very large old-fashioned open fire-place. The remedy for this is the same as the preceding.

C. The chimney of the kitchen may be much lower at the top than the main part of the house. The wind blowing over the house falls like water over a dam, sometimes almost perpendicularly on the top of the chimney; thus it beats down the smoke contained therein. The remedy is to build up the chimney, or add a smoke stack to equal the height of the main building.

D. A building or a large tree may be near to and higher than the top of the chimney, so that the wind passing over them would blow down on the chimney.

E. When there is more than one opening in a chimney, a great variety of complications may affect the draft, so see that all the openings into the flue, no matter of what kind, excepting the one you are going to use, are securely closed.

F. When two or more stoves are connected with one single chimney the combination is so variable that it is difficult to cover all such cases by specific directions. Common sense, directed by observation, must be used.

G. A new or green chimney will never have a perfect draft. It will not draw perfectly until it is thoroughly dry, which sometimes requires two to four weeks' time.

H. In building a chimney, a little mortar may be dropped from time to time, and lodge out of sight, so as to partially close the chimney. A heavy weight may be let down by a rope and worked against the inside of the flue to force an opening.

I. In an old chimney the mortar may have crumbled from between the bricks, so that it leaks air and spoils the draft. A chimney should always be smoothly plastered on the inside.

All the air that passes through the chimney should first pass through the fire, unless used to check the draft.

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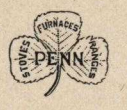
Mica, Stove Boards, Stove Polish,
Ordinary Stove Trimmings, Etc., Etc.



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